JVC

SERVICE MANUAL

COLOR TELEVISION

AV-27FA44/ASA, AV-27FA44/AZA, AV-32FA44/AZA, AV-36FA44/AYA

GJ2

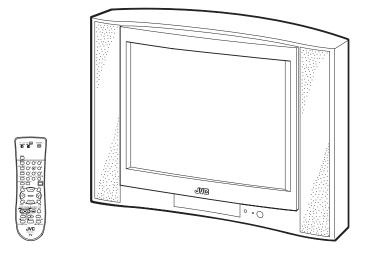


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SPECIFICATION

14.5	ne		Contents								
Iten	ns	AV-27FA44	AV-32FA44	AV-36FA44							
Dimensions (W \times H \times D)		82.9 cm × 59.3 cm × 51.9cm (32-3/4" × 23-3/8" × 20-1/2")	93.9 cm × 68.5 cm × 50.0cm (37" × 27" × 22-1/2")	102.3 cm × 75.6 cm × 61.3cn (40-3/8" × 29-7/8" × 24-1/4")							
Mass		43.0kg (94.6lbs) 64.0kg (140.8lbs) 85.0kg (187.0lbs)									
TV RF System		CCIR(M)									
Color System		NTSC									
Sound System		BTSC (Multi Channel Sound)									
TV Receiving Channels	VHF LOW	/ 02ch~06ch : 54MHz~88MHz									
and Frequency	VHF HIGH	1 07ch~13ch : 174MHz~216MHz									
	UHF	14ch~69ch : 470MHz~806ľ	MHz								
	CATV	54MHz~804MHz Low Band: 02~06, A-8 by 0 High Band: 07~13 by 07~1 Mid Band: A~I by 14~22 Super Band: J~W by 23~3 Hyper Band: W+1~W+28 b Ultra Band: W+29~W+84 b Sub Mid Band: A8, A4~A1	6 by 37~64 by 65~125								
TV / CATV Total Channe	el	180 Channels									
Intermediate Frequency	Video IF Carrier	45.75 MHz									
	Sound IF Carrier	41.25 MHz (4.5MHz)									
Color Sub Carrier		3.58 MHz									
Power Input		AC120V , 60Hz									
Power Consumption		140W 160W ←									
Picture Tube (Visible size	e)	68cm (27") Measured diagonally (H: 54.4cm × W: 41.8cm)	80cm (32") Measured diagonally (H: 65.6cm × W: 49.6cm)	90cm (36") Measured diagonally (H: 74.0cm × W: 55.9cm)							
High Voltage		30.0kV ±1.3kV	31.4kV ±1.3kV	←							
Speaker		6.5cm × 13cm (2-1/2" × 5")	, Oval type × 2								
Audio Power Output		10W + 10W									
Antenna Terminal (VHF	/ UHF)	F-type connector, 75 Ω unb	palanced								
Input1 (Rear)	Video	1V(p-p), negative sync, 75	Ω , RCA pin jack $ imes$ 1								
	S-video	Mini DIN 4-pin × 1 Y: 1V(p-p), negative sync, C: 0.286V(p-p)(burst signa									
	Audio	500mV(rms)(-4dBs), high in	mpedance, RCA pin jack \times 2)							
Input2 (Rear)	Video	1V(p-p), negative sync, 75	Ω , RCA pin jack \times 1								
	Component Video	Y: 1V(p-p), negative sync, Pb/Pr: 0.7V(p-p), 75 Ω , RC									
	Audio	500mV(rms)(-4dBs), high impedance, RCA pin jack × 2									
Input3 (Front)	Video	0.1 V(p-p), negative sync, 75 Ω, RCA pin jack \times 1									
	Audio	500mV(rms)(-4dBs), high impedance, RCA pin jack × 2									
Audio Output (Fix)		500mV(rms)(-4dBs), low Impedance, (400kHz when modulated 100%), RCA pin jack × 2									
AV COMPULINK III		3.5mm mini jack × 1									
Remote Control Unit		RM-C1251G (AA/R6/UM-3	battery × 2)								

Design & specifications are subject to change without notice.

SECTION 1 PRECAUTION

1.1 SAFETY PRECAUTIONS

- (1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
- (2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- (3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. Electrical components having such features are identified by shading on the schematics and by (△) on the parts list in Service manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.

(4) Use isolation transformer when hot chassis.

The chassis and any sub-chassis contained in some products are connected to one side of the AC power line. An isolation transformer of adequate capacity should be inserted between the product and the AC power supply point while performing any service on some products when the HOT chassis is exposed.

- (5) Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.

 Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE: (⊥) side GND, the ISOLATED (NEUTRAL): (⅓) side GND and EARTH: (⅓) side GND.

 Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.). If above note will not be kept, a fuse or any parts will be broken.
- (6) If any repair has been made to the chassis, it is recommended that the B1 setting should be checked or adjusted (See B1 POWER SUPPLY check).
- (7) The high voltage applied to the picture tube must conform with that specified in Service manual. Excessive high voltage can cause an increase in X-Ray emission, arcing and possible component damage, therefore operation under excessive high voltage conditions should be kept to a minimum, or should be prevented. If severe arcing occurs, remove the AC power immediately and determine the cause by visual inspection (incorrect installation, cracked or melted high voltage harness, poor soldering, etc.). To maintain the proper minimum level of soft X-Ray emission, components in the high voltage circuitry including the picture tube must be the exact replacements or alternatives approved by the manufacturer of the complete product.
- (8) Do not check high voltage by drawing an arc. Use a high voltage meter or a high voltage probe with a VTVM. Discharge the picture tube before attempting meter connection, by connecting a clip lead to the ground frame and connecting the other end of the lead through a $10 \mathrm{k}\Omega$ 2W resistor to the anode button.
- (9) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

(10) Isolation Check (Safety for Electrical Shock Hazard)

After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

a) Dielectric Strength Test

The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 1100V AC (r.m.s.) for a period of one second.

(.... Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.) This method of test requires a test equipment not generally found in the service trade.

b) Leakage Current Check

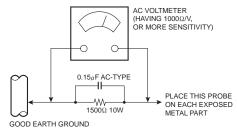
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).

However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

Alternate Check Method

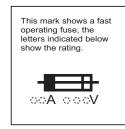
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000Ω per volt or more sensitivity in the following manner. Connect a 1500Ω 10W resistor paralleled by a $0.15\mu F$ AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).

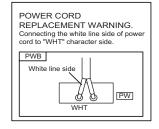
However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



(11) High voltage hold down circuit check.

After repair of the high voltage hold down circuit, this circuit shall be checked to operate correctly. See item "How to check the high voltage hold down circuit".





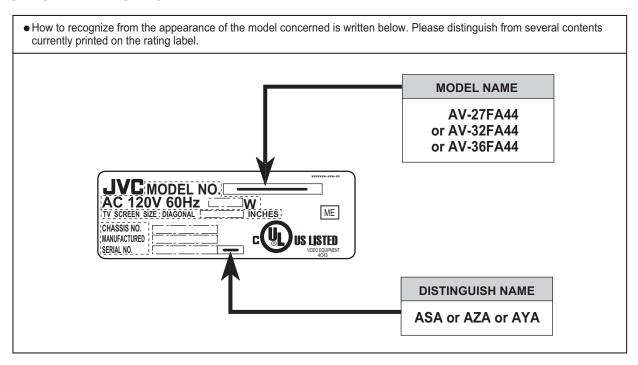
SECTION 2 SPECIFIC SERVICE INSTRUCTIONS

2.1 FEATURES

- New chassis (GJ2) design enables use of a single board with simplified circuitry.
- Users can make fun to connect the DVD player with the component video signal input terminal.
- Provided with miniature tuner (TV/CATV).
- Multifunctional remote control permits picture adjustment.
- Adoption of the CHANNEL GUARD function prevents the specific channels from being selected, unless the "ID number" is key in.
- I²C bus control utilizes single chip ICs.

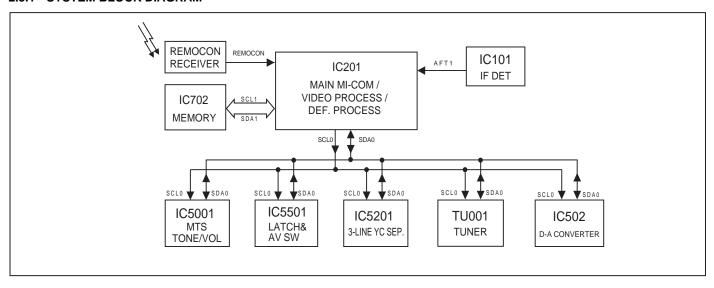
- Adoption of the VIDEO STATUS / THEATER PRO. function.
- Adoption of the ON/OFF TIMER and SLEEP TIMER function.
- Built-in V-CHIP system.
- Closed-caption broadcasts can be viewed.
- HYPER-SURROUND system.
- S-VIDEO input terminal for taking best advantage of Super VHS.
- · Digital Comb filter Improved picture quality.
- Adoption of the ASPECT MODE (4:3/16:9) function.

2.2 HOW TO IDENTIFY MODELS



2.3 TECHNINAL INFORMATION

2.3.1 SYSTEM BLOCK DIAGRAM



2.3.2 MAIN MI-COM (CPU) PIN FUNCTION

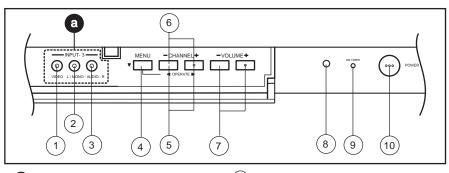
Pin No.	Pin name	I/O	Function	Pin No.	Pin name	I/O	Function
1	AFT2	ı	Not used	29	YCD_GND	-	GND
2	AFT1	ı	AFT voltage for tuner (Tuning frequency control)	30	Vin1	ı	Not used
3	KEY	I	Key scan for front control [No signal : H]	31	ABCL	1	Current for automatic beam (brightness)/contrast limit
4	uP DVss	-	GND	32	Monitor	0	Not used
5	Reset	I	CPU reset	33	Black_Det	1	Black level detection filter
6	Xout	0	CPU system clock : 8MHz oscillation	34	SVM_out	0	Y signal for scan velocity modulation
7	Xin	I	CPU system clock : 8MHz oscillation	35	APL_Fil	1	Average picture level filter
8	TEST	-	GND	36	APC_Fil	1	Automatc phase control filter
9	uP_DVDD	-	5V	37	3.58MHz	0	Color sub carrier (3.58MHz) for 3-line digital comb filter [IC5201]
10	AGC_MUTE	0	AGC muting for tuner (when channel select) [Muting : H]	38	YC_Vcc_5V	1	5V (for video process circuit)
11	UP_VVss	-	GND	39	R_out	0	R signal
12	TV_HGND	-	GND	40	G_out	0	G signal
13	FBP_SCP	I	Flyback pulse (H. pulse)	41	B_out	0	B signal
14	Hout	0	H. drive (oscillation)	42	RGB_Vcc_9V	-	9V (for RGB process circuit)
15	H_Vcc_9V	-	9V (for H. oscillation start)	43	IK in	Ι	Not used
16	HAFC_1	-	H. AFC filter	44	TV_DGND	1	GND
17	Vsaw	-	V. saw filter	45	uP_MPAGND	1	GND
18	Vout	0	V. drive	46	uP_MPAVDD	-	5V
19	EW_out	0	Parabola waveform (for sidepin correction)	47	MAIN_POWER	0	Power on/off switching control [Powen on : L]
20	Xray	1	X-ray detection (for protection) [Detection : H]	48	HAZARD	Ι	B1 over cuurent / V. amplitude detection (for protect) [Defective : H]
21	Ys	1	Not used	49	SDAO	I/O	Data for Inter IC control bus (for various devices)
22	Cb_input	I	Cb (external) signal	50	SCLO	0	Clock for Inter IC control bus (for various devices)
23	Y_input	I	Y (external) signal	51	SDA1	I/O	Data for Inter IC control bus (for main memory)
24	Cr_input	1	Cr (external) signal	52	AGC ADJUST	0	AGC adjustment (for tuner) <s45 in="" menu="" service=""></s45>
25	DVcc_3.3V	_	3.3V	53	SCL1	0	Clock for Inter IC control bus (for main memory)
26	V3in/Cin	ı	Chroma signal (for YC separation output)	54	LED	0	POWER / ON TIMER LED Indication [lighting : L]
27	EHT_in	ı	Not used	55	REMOCON	ı	Remote control sensor input [No input : H]
28	V2in/Y	I	Y signal (for YC separation output)	56	COMPULINK	I	AV COMPULINK III control [No input : H]

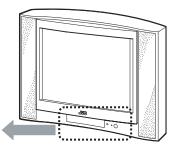
2.4 MAIN DIFFERENCE LIST

Itama	AV-27	7FA44	AV-32	2FA44	AV-36FA44
Item	ASA	AZA	AYA	AZA	AYA
CRT (Pictru Tube) Size	27	7V	32	2V	36V
CRT Suface Treatment	Crear +	Coating	Ti	int	Tint
Electric Gun	Non-	-DAF	D/	4F	DAF
High Voltage	30kV±	±1.3kV	31.4kV	±1.3kV	31.4kV±1.3kV
Dimensions (W \times H \times D)		3 cm × 51.9cm 3/8" × 20-1/2")		5 cm × 50.0cm × 22-1/2")	102.3 cm × 75.6 cm × 61.3cm (40-3/8" × 29-7/8" × 24-1/4")
Mass	43.0 kg (94.6 lbs)	64.0 kg (140.8 lbs)	86.0 kg (189.2 lbs)
MAIN PWB ASSY	SGJ-1508A-M2	SGJ-1509A-M2	SGJ-1506A-M2	SGJ-1510A-M2	SGJ-1507A-M2
DAF PWB ASSY			SGJ-2503A-M2 SGJ-2502A-W		SGJ-2501A-M2
CRT SOCKET PWB ASSY	SGJ-3502A-M2	SGJ-3506A-M2	SGJ-3504A-M2	SGJ-3503A-M2	SGJ-3501A-M2
FRONT CONTROL PWB ASSY	SGJ-6501A-M2	←	SGJ-6502A-M2	←	SGJ-6503A-M2
PICTURE TUBE (ITC)	A68QCP893X001	A68QCU754X62N	A80AJZ90X03	A80ERF031X13	A90AJZ90X02
DEG COIL	G COIL QQW0090-001 ←		QQW0107-001	←	QQW0122-001
FRONT CABINET ASSY	RONT CABINET ASSY		LC11531-001A-A	←	LC11557-001A-A
REAR COVER	LC11555-001A-A	←	LC11533-001A-A	←	LC11559-001A-A

2.5 FUNCTIONS

■ FRONT PANEL CONTROL

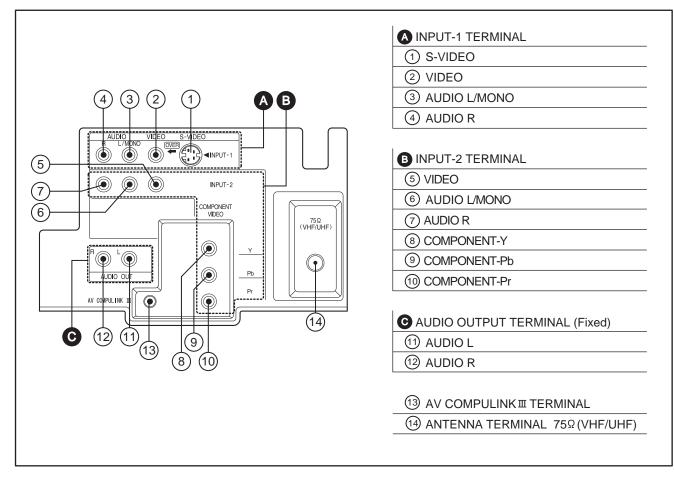




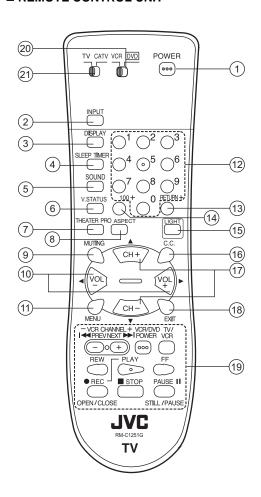
- a INPUT-3 TERMINAL
- 1) VIDEO
- 2 AUDIO L/MONO
- 3 AUDIO R

- 4 MENU(**▼**) button
- 5 OPERATE(**4**/**▶**) button **(for MENU)**
- 6 CHANNEL(-/+) buttons
- 7 VOLUME(-/+) buttons
- (8) REMOTE CONTROL SENSOR
- (9) POWER ON/ ON TIMER INDICATOR
- 10 POWER SW button

■ REAR TERMINAL



■ REMOTE CONTROL UNIT



- 1 POWER key
- (2) INPUT key: TV VIDEO1 VIDO2 V2-COMPONENT VIDEO3
- 3 DISPLAY key
- (4) SLEEP TIMER key: ≥ 0 → 15 → 30 ····· → 165 → 180 ¬
- 5 SOUND key
- 6 VIDEO STATUS key: → STANDARD → DYNAMIC → THEATER → GAME ¬
- 7 THEATER PRO key
- (8) ASPECT key: Can be changed to 4:3 and 16:9 screen
- 9 MUTING & COLOR OFF (for SERVICE MENU) key
- 10 VOL+/- & VOL ◀/▶ (for SERVICE MENU) keys
- (11) MENU key
- (12) CHANNEL NUMBER keys
- (13) RETURN+ key
- (14) 100+ key
- 15 LIGHT key
- (16) C.C. (CLOSED CAPTION) key: → OFF → CAPTION → TEXT
- (17) CH+/- & CH ▲/▼ (for SERVICE MENU) keys
- (18) EXIT key
- (19) VCR CONTROL key
- 20 VCR / DVD switch
- 21 TV / CATV switch

NOTE The CH+/- keys and VOL+/- keys operate CHANNEL and VOLUME normally.

These keys are also used to navigate SERVICE MENU as the CH▲/▼ and VOL ◀/▶ keys.

SECTION 3 DISASSEMBLY

3.1 DISASSEMBLY PROCEDURE

3.1.1 REMOVING THE REAR COVER

- (1) Disconnect the power plug from wall outlet.
- (2) As shown in the Fig.1, remove the 11 screws [A].
- (3) Withdraw the REAR COVER backward.

3.1.2 REMOVING THE AV TERMINAL BOARD

- Remove the REAR COVER.
 - (1) As shown in Fig.1, remove the 4 screws [B].
 - (2) Withdraw the AV TERMINAL BOARD toward you.

3.1.3 REMOVING THE CHASSIS

- · Remove the REAR COVER.
- · Remove the AV TERMINAL BOARD.
 - (1) Slightly raise the both sides of CHASSIS by hand.
 - (2) Remove the 2 claws under the both side of the CHASSIS from the front cabinet.
 - (3) Withdraw the CHASSIS backward. (If necessary, remove the wire clamp, connectors etc.)

3.1.4 REMOVING THE SPEAKER

- Remove the REAR COVER.
 - (1) As shown in Fig.1, remove the 2 screws [C].
 - (2) Remove the 4 screws [D] and taking out the SPEAKER.
 - (3) Follow the same steps when removing the other hand SPEAKER.

NOTE:

When remove the 2 screws [C] of the SPEAKER, taking out the lower side screw first, and then takeing out the upper one.

3.1.5 REMOVING THE LED & POWER SW PWB

- Remove the REAR COVER.
 - (1) Remove the 2 screws [E] as shown in Fig.1.
 - (2) Withdraw the LED & POWER SW PWB toward you.
- *If necessary, remove the wire clamp, connector etc.

3.1.6 REMOVING THE FRONT CONTROL PWB

- Remove the REAR COVER.
 - (1) Remove the 2 screws [F] as shown in Fig.1.
 - (2) Withdraw the FRONT CONTROL PWB toward you.
- *If necessary, remove the wire clamp, connector etc.

3.1.7 CHECKING THE CHASSIS

To check the PW Board from back side.

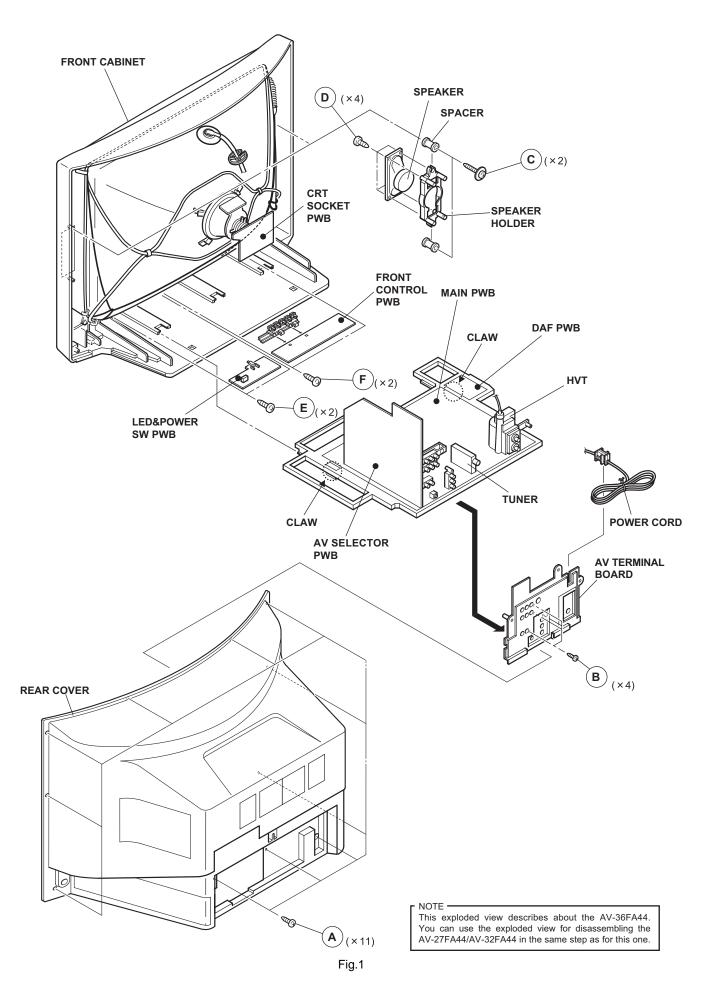
- Pull out the CHASSIS (refer to REMOVING THE CHASSIS).
- (2) Erect the CHASSIS vertically so that you can easily check the back side of the PW Board.

CAUTION:

- When erecting the CHASSIS, be careful so that there will be no contacting with other PW Board.
- Before turning on power, make sure that the wire connector is properly connected.
- When conducting a check with power supplied, be sure to confirm that the CRT EARTH WIRE (BRAIDED ASS'Y) is connected to the CRT SOCKET PWB.

3.1.8 WIRE CLAMPING AND CABLE TYING

- (1) Be sure to clamp the wire.
- (2) Never remove the cable tie used for tying the wires together. Should it be inadvertently removed, be sure to tie the wires with a new cable tie.



3.2 REMOVING THE CRT

NOTE:

- Replacement of the CRT should be performed by 2 or more persons.
- · After removing the REAR COVER, CHASSIS etc.,
- (1) Putting the CRT change table on soft cloth, the CRT change table should also be covered with such soft cloth (shown in Fig. 3).
- (2) While keeping the surface of CRT down, mount the TV set on the CRT change table balanced will as shown in Fig. 3.
- (3) Remove 4 screws marked by arrows with a box type screwdriver as shown in Fig. 4.

NOTE:

Since the cabinet will drop when screws have been removed, be sure to support the cabinet with hands.

(4) After 4 screws have been removed, put the cabinet slowly on cloth (At this time, be carefully so as not to damage the front

surface of the cabinet) shown in Fig. 5.

NOTE:

- The CRT should be assembled according to the opposite sequence of its dismounting steps.
- The CRT change table should preferably be smaller that the CRT surface, and its height be about 35cm.

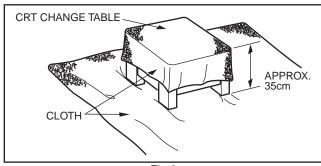


Fig.3

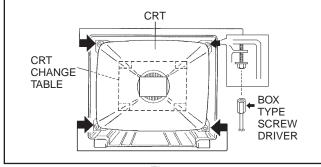
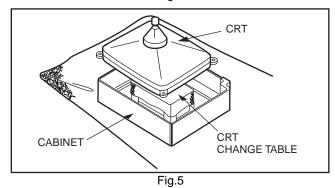


Fig.4



■ FOR AV-32FA44/AZA model only

CAUTION FOR DEGAUSSING WORKS

Whenever degaussing works are required due to distorted images and colors caused by the replacement of the CRT or other external magnetic forces, self-degaussing (internal degaussing) should be carried out without fail instead of degaussing the monitor from the outside.

Because of the characteristics of the CRT used in this monitor , the distorted images and colors may worsen if degaussing the monitor from the outside has been performed.

Even if external degaussing works have been carried out, self-degaussing should be performed by turning the power on the monitor.

When you want to perform self-degaussing of the monitor whose power is already turned on, turn of f the power and wait for about 10 minutes before turning the power on the monitor again for self-degaussing.

3.3 MEMORY IC REPLACEMENT

3.3.1 MEMORY IC

This TV uses memory IC.

This memory IC stores data for proper operation of the video and deflection circuits. When replacing the memory IC, be sure to use an IC containing this (initial value) data.

3.3.2 MEMORY IC REPLACEMENT PROCEDURE

1. Power off

Switch off the power and disconnect the power cord from the wall outlet.

2. Replace the memory IC

Be sure to use a memory IC written with the initial setting data.

3. Power on

Connect the power cord to the wall outlet and switch on the power.

4. Confirm the system constant value

- 12.SYSTEM (SYS) do not adjust normally.
- The adjustment should not be done without signal.

■ How to enter the SERVICE MENU.

- Confirm that the setting of TV/CATV SW is at the "TV" side and the setting of VCR/DVD SW is at the "VCR" side.
 - (1) Before disappear the display of SLEEP TIMER settings, simultaneously press the [DISPLAY] key and [VIDEO STATUS] key of the remote control unit.
 - (2) The SERVICE MENU screen will be displayed as shown Fig.1.

■ How to enter the 12. SYSTEM(SYS).

- (1) While the SERVICE MENU is displayed, select the 12.SYSTEM(SYS) item with [CH▲/▼] keys, and the [VOL ◀/▶] keys is pressed, the screen will be displayed as shown in Fig.2.
- (2) Refer to the "12.SYSTEM(SYS)" table and check the setting items. If the value is different, select the setting item with the [CH ▲ / ▼] keys and adjust the setting with the [VOL ◀ / ▶] keys. (The letters of the selected item are displayed in yellow.)
- (3) When adjustment has completed, the values store into memory IC automatically.
- (4) Press the [EXIT] key to return the SERVICE MENU screen
- (5) Then press the [EXIT] key again to return the normal screen.

5. Receiving channel setting

Refer to the OPERATING INSTRUCTIONS (USER'S GUIDE) and set the receive channels (Channels Preset) as described.

6. User settings

Check the user setting items according to the "FACTORY SETTING ITEM" table.

Where these do not agree, refer to the OPERATING INSTRUCTIONS (USER'S GUIDE) and set the items as described.

7. SERVICE MENU setting

Verify what to set in the SERVICE MENU, and set whatever is necessary(Fig.1).

Refer to the SERVICE ADJUSTMENT for setting.

SERVICE MENU

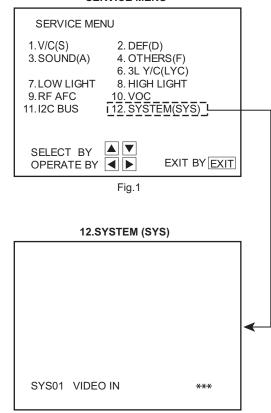
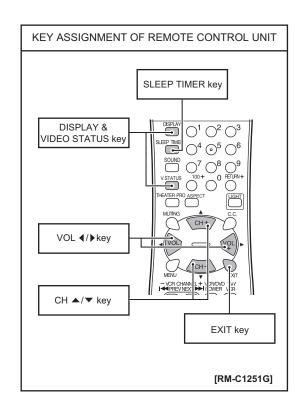


Fig.2



3.3.3 FACTRY SETTING VALUE

Setting item	S	etting valu	е	Setting item	Setting value			
	•	REMO	OTE CON	TROLLER KEYS				
POWER	OFF			DISPLAY	OFF			
CHANNEL	Cable-02			VIDEO STATUS	DYNAMIC			
VOLUME	10			SOUND	HYPER SURROUND : OFF BBE : ON			
INPUT	TV			C.C. (Closed Caption)	OFF			
			SETTING	OF MENU				
P	ICTURE			CLO	CK / TIMERS			
	STANDARD	DYNAMIC	GAME	SET CLOCK	MANUAL TIME ZONE : PACIFIC			
TINT	0	0 ←		1	D.S.T. : OFF			
COLOR	0	\leftarrow	+7	ON / OFF TIMER	OFF			
PICTURE	0	+14(27") +17(32", 36")	-10	INITIAL SETUP				
BRIGHT	0	←	\leftarrow	LANGUAGE	ENG			
DETAIL	0	+10	+7	FRONT PANEL LOCK	OFF			
COLOR TEMPERATURE	LOW	HIGH	LOW	AUTO SHUT OFF	OFF			
NOISE MUTING	ON			CLOSED CAPTION	CC1 / T1			
S	SOUND			CHANNEL SUMMARY	Setting Channel Guard channel : All OFF			
BASS	Center			V-CHIP	OFF			
TREBLE	Center			SET LOCK CODE	(0000)			
BALANCE	Center			XDS ID	ON			
MTS	STEREO			PULITY [AV-36FA44 only]	Center			

3.3.4 SERVICE MENU SETTING ITEMS

Service menu	Setting item	Remarks
1.V/C(S)	S01~S48	VIDEO / CHROMA related circuit adjustment mode
2.DEF(D)	D01~D33	DEFLECTION related circuit adjustment mode
3.SOUND(A)	A01~A08	SOUND related circuit adjustment mode
4.OTHERS(F)	F01~F28	Whole system related items adjustment mode [Fixed value. Do not adjust]
6.3LY/C(LYC)	LYC01~LYC12	3 line YC separation related circuit adjustment mode [Fixed value. Do not adjust]
12.SYSTEM(SYS)	SYS01~SYS27	This mode is used when setting up the whole system [Fixed value. Do not adjust]

3.4 REPLACEMENT OF CHIP COMPONENT

3.4.1 CAUTIONS

- (1) Avoid heating for more than 3 seconds.
- (2) Do not rub the electrodes and the resist parts of the pattern.
- (3) When removing a chip part, melt the solder adequately.
- (4) Do not reuse a chip part after removing it.

3.4.2 SOLDERING IRON

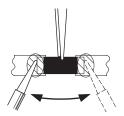
- (1) Use a high insulation soldering iron with a thin pointed end of it.
- (2) A 30w soldering iron is recommended for easily removing parts.

3.4.3 REPLACEMENT STEPS

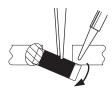
1. How to remove Chip parts

[Resistors, capacitors, etc.]

(1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.



(2) Shift with the tweezers and remove the chip part.

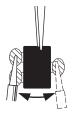


[Transistors, diodes, variable resistors, etc.]

(1) Apply extra solder to each lead.



(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



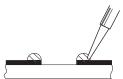
NOTE:

After removing the part, remove remaining solder from the pattern.

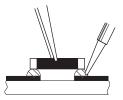
2. How to install Chip parts

[Resistors, capacitors, etc.]

(1) Apply solder to the pattern as indicated in the figure.

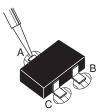


(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

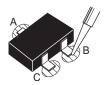


[Transistors, diodes, variable resistors, etc.]

- (1) Apply solder to the pattern as indicated in the figure.
- (2) Grasp the chip part with tweezers and place it on the solder.
- (3) First solder lead A as indicated in the figure.



(4) Then solder leads B and C.



SECTION 4 ADJUSTMENT

4.1 ADJUSTMENT PREPARATION

- (1) There are 2 ways of adjusting this TV: One is with the REMOTE CONTROL UNIT and the other is the conventional method using adjustment parts and components.
- (2) The adjustment using the REMOTE CONTROL UNIT is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.
- (3) Make sure that connection is correctly made AC to AC power source.
- (4) Turn on the power of the TV and measuring instruments for warning up for at least 30 minutes before starting adjustments.
- (5) If the receive or input signal is not specified, use the most appropriate signal for adjustment.
- (6) Never touch the parts (such as variable resistors, transformers and condensers) not shown in the adjustment items of this service adjustment.
- (7) Preparation for adjustment. Unless otherwise specified in the adjustment items, preset the following functions with the REMOTE CONTROL UNIT.

Item	Preset value
VIDEO STATUS	STANDARD
TINT, COLOR, PICTURE, BRIGHT, DETAIL	0
BASS, TREBLE, BALANCE	Center
MTS	STEREO

4.2 MEASURING INSTRUMENT AND FIXTURES

- (1) DC voltmeter (or digital voltmeter)
- (2) Oscilloscope
- (3) Frequency counter
- (4) Signal generator (Pattern generator) [NTSC]
- (5) TV audio multiplex signal generator
- (6) Remote control unit

4.3 ADJUSTMENT ITEMS

■CHECK ITEM

• B1 POWER SUPPLY check

■TUNER / IF CIRCUIT

- IF VCO adjustment
- RF. AGC adjustment

■FOCUS

· FOCUS adjustment

■DEFLECTION CIRCUIT

- V. SIZE / V. POSITION (4:3) adjustment
- V. SIZE / V. POSITION (16:9) adjustment
- H. POSITION / H. SIZE / SIDE PIN [(4:3) & (16:9)] adjustment

■VIDEO CIRCUIT

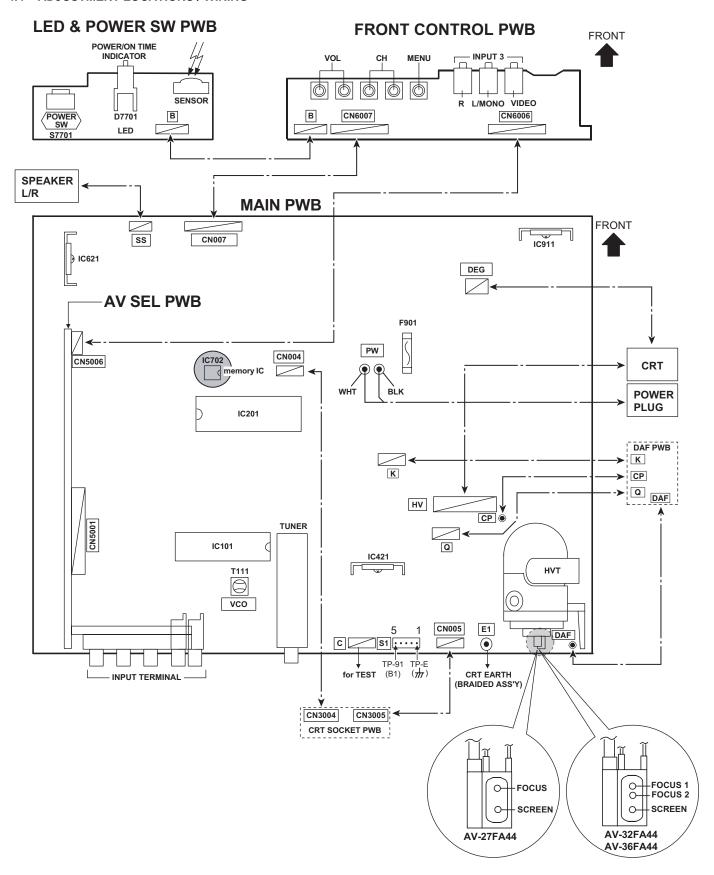
- WHITE BALANCE(High Light & Low Light) adjustment
- SUB BRIGHT adjustment
- SUB CONTRAST adjustment
- SUB COLOR adjustment
- SUB TINT adjustment

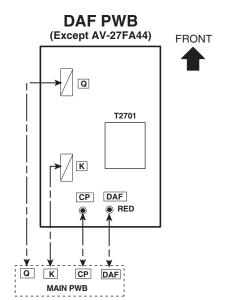
■MTS CIRCUIT

- MTS INPUT LEVEL adjustment
- MTS SEPARATION adjustment

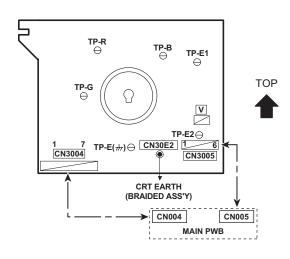
■HIGH VOLTAGE HOLD DOWN CIRCUIT

4.4 ADJUSTMENT LOCATIONS / WIRING

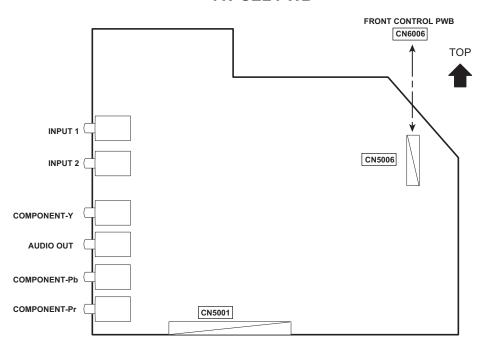




CRT SOCKET PWB



AV SEL PWB



4.5 BASIC OPERATION OF SERVICE MENU

4.5.1 TOOL OF SERVICE MENU OPERATION

Operate the SERVICE MENU with the REMOTE CONTROL UNIT.

4.5.2 SERVICE MENU ITEMS

1. V/C(S)	VIDEO / CHROMA related circuit adjustment mode
2. DEFLECTION(D)	DEFLECTION related circuit adjustment mode
3. SOUND(A)	SOUND related circuit adjustment mode
4. OTHERS(F)	Whole system related items adjustment mode [Fixed value. Do not adjust]
6. 3L Y/C(LYC)	3 line YC separation related circuit adjustment mode [Fixed value. Do not adjust]
7. LOW LIGHT	White balance of "LOW LIGHT" adjustment mode
8. HIGH LIGHT	White balance of "HIGH LIGHT" adjustment mode
9. RF AFC	RF AFC related circuit adjustment mode [Fixed value]
10. VCO	VCO related circuit adjustment mode
11. I2C BUS	I ² C bus related circuit adjustment mode [Fixed value]
12. SYSTEM(SYS)	This mode is used when setting up the whole system [Fixed value. Do not adjust]

4.5.3 BASIC OPERATION OF SERVICE MENU

1. How to enter the SERVICE MENU

- Confirm that the setting of TV/CATV SW is at the "TV" side and the setting of VCR/DVD SW is at the "VCR" side.
 - (1) Press the [SLEEP TIMER] key and set the SLEEP TIM-ER for "0" MIN
 - (2) Press the [DISPLAY] key and [VIDEO STATUS] key at the same time to enter the SERVICE MENU screen. (Fig.1)

SERVICE MENU

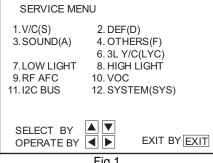


Fig.1

2. SERVICE MENU screen selection

(1) In SERVICE MENU (Fig.1), select any of the SUB MENU items (1.V/C(S)/ 2.DEF(D)/ 3.SOUND(A)/ 4.OTHERS (F)/6.3L Y/C(LYC)/7.LOW LIGHT/8.HIGH LIGHT/9.RF AFC/ 10.VCO/ 11.I2C BUS/ 12.SYSTEM(SYS)) by the [CH▲/▼] keys.

The letters of the selected items are displayed in yellow.

(2) With the SUB MENU item selected, press the [VOL ◀ / ▶] keys to display each screen.

Then the settings or verifications can be performed.

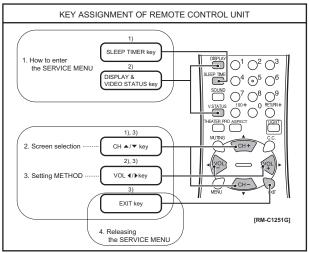


Fig.2

3. Setting method. (Fig.3~ Fig.7)

(1) [CH▲/▼] keys

Select the SETTING ITEM

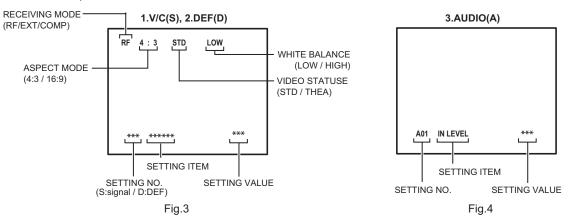
(2) [VOL 4 / ▶] keys

Setting the SETTING VALUE of the SETTING ITEM

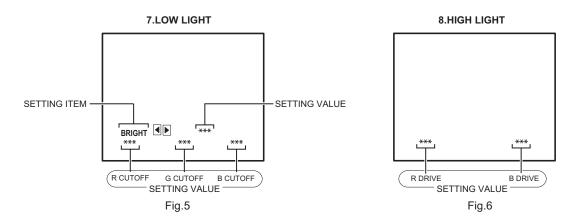
When the key is released the SETTING VALUE will be stored (memorized).

(3) [EXIT] key

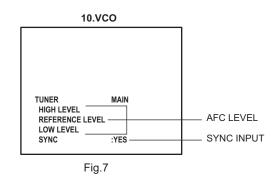
Return to the previous screen.



★ The settings for LOW LIGHT and HIGH LIGHT are described in the WHITE BALANCE page of ADJUSTMENT PROCEDURE.



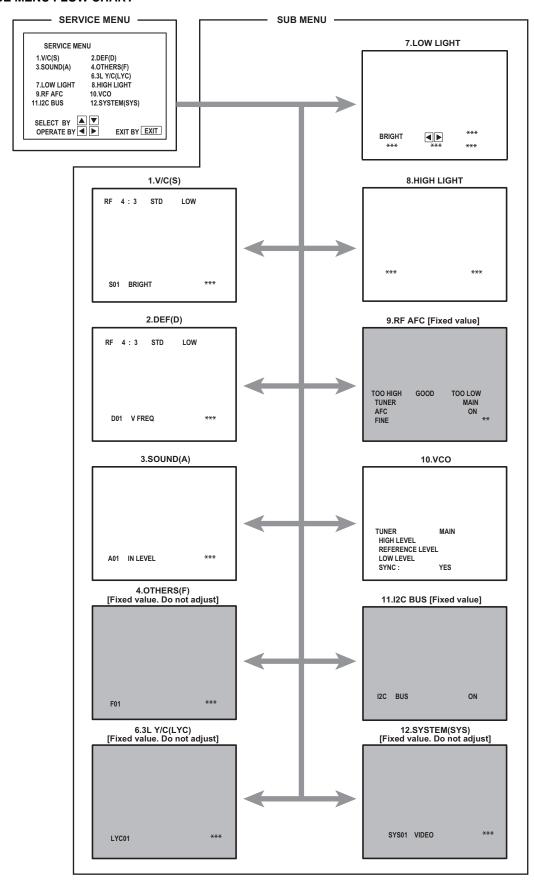
★ The setting for VCO is described in the IF VCO page of ADJUSTMENT PROCEDURE.



4. Releasing the SERVICE MENU

(1) After returning to the SERVICE MENU upon completion of the setting work, press the [EXIT] key again.

4.5.4 SERVICE MENU FLOW CHART



4.6 INITIAL SETTING VALUE OF SERVICE MENU

- (1) Adjustment of the SERVICE MENU is made on the basis of the initial setting values; however, the new setting values which set the screen in its optimum condition may differ from the initial setting.
- (2) Do not change the initial setting values of the setting items NOT LISTED IN ADJUSTMENT PROCEDURE.
- (3) ---: This mark described in each table shows "Cannot adjust it."

1.V/C(S) (1/5)

		Initial setting value									
						AV-27	7FA44				
No.	Setting			ASA					AZA		
110.	item		RF		EXTERNAL	EXTERNAL		RF		EXTERNAL	EXTERNAL
		STANDARD (4:3)	STANDARD (16:9)	THEATER (4:3)	(S, CV) (4:3)	(COMPONENT) (4:3)	STANDARD (4:3)	STANDARD (16:9)	THEATER (4:3)	(S, CV) (4:3)	(COMPONENT) (4:3)
S01	BRIGHT	64	-				64	-			
S02	PICTURE	60					60				
S03	COLOR	50				52	50				52
S04	TINT	68				70	68				70
S05	DETAIL	33			35	40	37			39	44
S06	BRIGHT +-		0	+1	-2	-2		0	+1	-2	-2
S07	PICT+-		-8	-10	±0	-5		-8	-10	±0	-5
S08	COLOR +-		0	-3	-1			0	-3	-1	
S09	TINT+-		0	-3	+2			0	-3	+2	
S10	DETAIL+-			0					0		

								Ini	tial set	ting va	lue							
							AV-27FA44											
No.	Setting				AS	SA							A					
NO.	item	I	RF/EXT	(S,CV)	EXT (COMPONENT)			NT)	ı	RF/EXT	(S,CV)	EX.	T (CON	IPONE	NT)	
		STANDARD		THE	ATER	STAN	DARD	THE	THEATER		DARD	THE	ATER	STAN	DARD	THE	ATER	
		LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	
S11	R CUT OFF	30								30								
S12	G CUT OFF	30								30								
S13	B CUT OFF	30								30								
S14	R DRIVE	64								64								
S15	B DRIVE	64								64								
S16	R CUT+-		±0	±0	±0	-5					±0	±0	±0	-5				
S17	G CUT+-		±0	±0	±0	±0					±0	±0	±0	±0				
S18	B CUT+-		±0	±0	±0	-6					±0	±0	±0	-6				
S19	R DRV+-		+5	+13	+7	±0					+5	+13	+7	±0				
S20	B DRV+-		+6	-25	-9	±0					+6	-25	-9	±0				
S21	NTSC MAT	3	3	1	1	2	2	1	1	3	3	1	1	2	2	1	1	
S22	BLACK ST	2		2						2		2						
S23	DCREST	1		1						1		1						
S24	DCRSW	1		1						1		1						

1.V/C(S) (2/5)

	Initial setting value AV-32FA44										
No.	Setting			AYA					AZA		
140.	item		RF		EXTERNAL	EXTERNAL	RF		EXTERNAL	EXTERNAL	
		STANDARD (4:3)	STANDARD (16:9)	THEATER (4:3)	(S, CV) (4:3)	(COMPONENT) (4:3)	STANDARD (4:3)	STANDARD (16:9)	THEATER (4:3)	(S, CV) (4:3)	(COMPONENT) (4:3)
S01	BRIGHT	64					64				
S02	PICTURE	60					60				
S03	COLOR	50				45	50				41
S04	TINT	68				68	68				62
S05	DETAIL	33			35	40	33			35	40
S06	BRIGHT +-		0	+1	-2	-2		0	+1	-2	-2
S07	PICT+-		-8	-10	±0	-3		-8	-10	±0	-3
S08	COLOR +-		0	-3	-2			0	-3	-2	
S09	TINT+-		0	-3	±0			0	-3	+5	
S10	DETAIL+-			0					0		

								Ini	tial set	al setting value								
							AV-32FA44											
No.	Setting				A۱	Y A							A	ZA				
NO.	item	RF/EXT (S,CV)			EX.	T (CON	IPONE	NT)	I	RF/EXT	(S,CV)	EX.	T (COM	IPONE	NT)		
		STAN	DARD	THE	ATER	STAN	DARD	THE	ATER	STAN	DARD	THE	ATER	STAN	DARD	THE	ATER	
		LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	
S11	R CUT OFF	30								30		-				-		
S12	G CUT OFF	30								30								
S13	B CUT OFF	30								30								
S14	R DRIVE	64								64								
S15	B DRIVE	64								64								
S16	R CUT+-		±0	±0	±0	-10					±0	±0	±0	-10				
S17	G CUT+-		±0	±0	±0	±0					±0	±0	±0	±0				
S18	B CUT+-		±0	±0	±0	-10					±0	±0	±0	-10				
S19	R DRV+-		+5	+13	+7	±0					+5	+13	+7	±0				
S20	B DRV+-		+6	-25	-9	±0					+6	-25	-9	±0				
S21	NTSC MAT	3	3	1	1	2	2	1	1	3	3	1	1	2	2	1	1	
S22	BLACK ST	3		2						3		2						
S23	DCREST	1		1						1		1						
S24	DCRSW	0		0						0		0						

1.V/C(S) (3/5)

,	(3) (3/3)	1							
			Initia	al setting v	alue				
		AV-36FA44							
No.	Setting		AYA						
110.	item		RF		EXTERNAL	EXTERNAL			
		STANDARD (4:3)	STANDARD (16:9)	THEATER (4:3)	(S, CV) (4:3)	(COMPONENT) (4:3)			
S01	BRIGHT	64							
S02	PICTURE	60							
S03	COLOR	50				44			
S04	TINT	68				69			
S05	DETAIL	33			35	40			
S06	BRIGHT +-		0	+1	-2	-2			
S07	PICT+-		-8	-10	±0	-3			
S08	COLOR +-		0	-3	-2				
S09	TINT+-		0	-3	±0				
S10	DETAIL+-			0					

			Initial setting value								
		AV-36FA44									
No.	Setting				A۱	/A					
NO.	item	I	RF/EXT	(S,CV)	EX.	T (CON	IPONE	NT)		
		STAN	DARD	THE	ATER	STAN	DARD	THE	ATER		
		LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH		
S11	R CUT OFF	30									
S12	G CUT OFF	30									
S13	B CUT OFF	30									
S14	R DRIVE	64									
S15	B DRIVE	64									
S16	R CUT+-		±0	±0	±0	-10					
S17	G CUT+-		±0	±0	±0	±0					
S18	B CUT+-		±0	±0	±0	-10					
S19	R DRV+-		+5	+13	+7	±0					
S20	B DRV+-		+6	-25	-9	±0					
S21	NTSC MAT	3	3	1	1	2	2	1	1		
S22	BLACK ST	3		2							
S23	DCREST	1		1							
S24	DCRSW	0		0							

1.V/C(S) (4/5)

No.	Setting	Initial setting value					
NO.	item	RF	EXTERNAL	COMPONENT			
S25	ASY SHRP	4	4	4			
S26	BPF F0	0	0				
S27	KILR OFF	0	0				
S28	KILR SEN	1	1				

1.V/C(S) (5/5)

	_		Initial setting value									
No.	Setting item	AV-27	FA44	AV-32	AV-32FA44							
		ASA	AZA	AYA	AZA	AYA						
S29	RGB MUTE	0	←	0	0	0						
S30	BLUE B	0	←	0	0	0						
S31	VIDEO SW	3	←	3	3	3						
S32	CMP ABCL	0	←	0	0	0						
S33	OSD ABL	0	←	0	0	0						
S34	OSD CONT	7	\leftarrow	8	3	8						
S35	SUB CONT	5	←	5	5	5						
S36	ABL GAIN	0	←	0	0	0						
S37	ABL PNT	3	←	3	3	3						
S38	Y GAMMA	1	←	1	1	1						
S39	Y MUTE	0	←	0	0	0						
S40	SVM GAIN	3	←	3	3	3						
S41	SVM PH	1	←	1	1	1						
S42	WPL	0	←	0	0	0						
S43	COL GMM	0	←	0	0	0						
S44	V1 GAIN	4	\leftarrow	4	4	4						
S45	AGC ADJ	63	\leftarrow	63	63	63						
S46	VMOFF DE	+3	\leftarrow	+3	+3	+3						
S47	APC CLK	1	←	1	1	1						
S48	PIP ADJ	4	←	8	8	10						

2.DEF (D)

								Initial	setting	value						
	0-44			AV-27	FA44			AV-32FA44					AV-36FA44			
No.	Setting item		ASA			AZA			AYA			AZA			AYA	
		RF (4:3)	RF (16:9)	EXT (4:3)												
D01	V FREQ	0	0	3	0	0	3	0	0	3	0	0	3	0	0	3
D02	AFC GAIN	0	0	2	0	0	2	0	0	2	0	0	2	0	0	2
D03	H POSI	20		20	20		20	25		25	25		25	22		22
D04	H POSI+-		0		-	0	-	-	0	-	-	0	-		0	
D05	V PHASE	0		0	0		0	0		0	0		0	0		0
D06	V PH+-		0		-	0	-	-	0	-	-	0	-		0	
D07	V SIZE	90		90	80		80	80		80	65		65	80		80
D08	V SIZE+-		-30			-25			-30			-30			-30	
D09	V CENTER	32		32	32		32	15		15	35		35	15		15
D10	V CENT+-		0			0			0			0			0	
D11	V S CORR	9		9	9		9	12		12	12		12	11		11
D12	V S CO+-		0			0			0			0			0	
D13	V LIN	10		10	10		10	9		9	9		9	8		8
D14	V LIN+-		0			0			0			0			0	
D15	H SIZE	33		33	33		33	31		31	31		31	30		30
D16	H SIZE+-		0			0			0			0			0	
D17	WVMT TOP	0	1	0	0	1	0	0	1	0	0	1	0	0	1	0
D18	WVMT BTM	0	1	0	0	1	0	0	1	0	0	1	0	0	1	0
D19	EWCR TOP	12		12	12		12	13		13	13		13	8		8
D20	EWCR T+-		0		-	0	-	-	0	-	-	0	-		0	
D21	EWCR BTM	14		14	14		14	13		13	13		13	8		8
D22	EWCR B+-		0		-	0	-	-	0	-	-	0	-		0	-
D23	EW PARA	36		36	36		36	35		35	35		35	37		37
D24	EW PARA+-		-15		-	-15	-	-	-16	-	-	-16	-		-14	-
D25	V EHT	0		0	0		0	0		0	0		0	0		0
D26	V EHT+-		0		-	0	-	-	0	-	-	0	-		0	-
D27	H EHT	0		0	0		0	0		0	0		0	0		0
D28	H EHT+-		0		-	0	-	-	0	-	-	0	-		0	-
D29	TRAPEZ	31		31	31		31	0		36	36		36	32		32
D30	TRAPEZ+-		0			0			0			0			0	
D31	V AGC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D32	BLANK SW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D33	VRMP BI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.SOUND(A)

No.	Setting item	Initial setting value
A01	IN LEVEL	10
A02	LOW SEP	32
A03	HI SEP	32
A04	SAPC	0

No.	Setting item	Initial setting value			
A05	BBE BASS	+6			
A06	BBE TRE	+6			
A07	AHS MVE	0			
80A	AHS MSC	0			

4.OTHERS(F) [Do not adjust : All fixed]

				Initial setting value		
No.	Setting item (Not display)	AV-2	27FA44	AV-32	2FA44	AV-36FA44
	(Not display)	ASA	AZA	AYA	AZA	AYA
F01	(OSD POSI)	37	←	37	←	37
F02	(OSD FREQ)	90	←	90	←	90
F03	(CCD POSI)	39	←	45	←	45
F04	(CCD FREQ)	91	←	93	←	93
F05	(CCD CONT)	3	←	4	←	4
F06	(PUR WBCK)	0	←	0	←	0
F07	(PUR CONT)	2	←	2	←	2
F08	(SN TYPE)	0	←	0	←	0
F09	(YCSN TM)	5	←	5	←	5
F10	(YCSN E)	5	←	5	\leftarrow	5
F11	(YCSN F)	16	←	16	\leftarrow	16
F12	(YCSN G)	32	←	32	\leftarrow	32
F13	(VNR CHK)	3	←	3	←	3
F14	(VCSN TM)	5	←	5	\leftarrow	5
F15	(VCSN 1)	0	←	0	\leftarrow	0
F16	(VCSN 2)	10	←	10	\leftarrow	10
F17	(VCSN 3)	20	←	20	←	20
F18	(VCSN STP)	2	←	2	←	2
F19	(VN DAT A)	+8	←	+8	\leftarrow	+8
F20	(VM DAT B)	-8	←	-8	←	-8
F21	(VM DAT C)	-20	←	-20	\leftarrow	-20
F22	(VM DAT D)	-32	←	-32	←	-32
F23	(VM DAT E)	1	←	1	←	1
F24	(VMOFF TY)	1	←	1	←	1
F25	(YC VMOFF)	255	←	255	←	255
F26	(EZSF TM)	40	←	40	←	40
F27	(XDSID TM)	15	←	15	←	15
F28	(FM TRAP)	1	←	1	←	1

6.3L Y/C(LYC) [Do not adjust : All fixed]

No.	Setting item (Not display)	Initial setting value
LYC01	(MODE)	4
LYC02	(VENH)	1
LYC03	(PDSOFF)	0
LYC04	(CB)	0
LYC05	(VNLR)	2
LYC06	(GSEL0)	0
LYC07	(GSEL1)	1
LYC08	(COR)	0
LYC09	(TRAP)	1
LYC10	(CHTRAP)	0
LYC11	(CBPF)	0
LYC12	(ENHOFF)	0

12.SYSTEM(SYS) [Do not adjust : All fixed]

	Catting	Initial sett	ing value
No.	Setting item	AV-27FA44 AV-32FA44	AV-36FA44
SYS01	VIDEO IN	3	3
SYS02	PIP	0	0
SYS03	3D Y/C	0	0
SYS04	Y CV	1	1
SYS05	CCD PCHK	1	1
SYS06	PURITY	0	1
SYS07	VM	1	1
SYS08	NOISE CR	0	0
SYS09	CLR TEMP	1	1
SYS10	THEATER	1	1
SYS11	THEATER PRO	1	1
SYS12	BBE	0	0
SYS13	SOUND	1	1
SYS14	16:9 MD	1	1
SYS15	HYP SCAN	1	1
SYS16	EZ SURF	0	0
SYS17	ID DISP	1	1
SYS18	COMPULINK	1	1
SYS19	CCD	1	1
SYS20	VCHIP	1	1
SYS21	VCHIP CA	1	1
SYS22	JVC LOGO	1	1
SYS23	CMP IN	1	1
SYS24	CXA1875	0	0
SYS25	PIM	1	1
SYS26	GAME MD	0	0
SYS27	VOL MUTE	1	1

4.7 ADJUSTMENT PROCEDURE

4.7.1 CHECK ITEM

Item	Measuring instrument	Test point	Adjustment part			Description	
B1 POWER SUPPLY check	DC voltmeter	S1 Connector (TP-E & TP-91(B1))		(2) Connec 91(B1)	ct the	lack-and-white signal. (col DC voltmeter to the TP connector. he voltage is DC134.5V±2	-E and TP-
						Connector	
					S 1	TP-91 TP-E (B1) (市) (市) 5 3 1	

4.7.2 TUNER / IF CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
IF VCO	Signal generator Remote control unit TUNER MAIN HIGH LEVEL REFERENCE LEVEL COW LEVEL SYNC: YES		[10.VCO] CW TRANSF.(T111) [MAIN PWB]	 It must not adjust without signal Receive color bar signal. Enter the SERVICE MENU. Select the 10.VCO. Push the [VOL ◀ / ▶] key, and select the MAIN. Confirm that the color change from HIGH LEVEL to LOW LEVEL by CW TRANSF at MAIN PWB, and check the SYNC: YES. Adjust until REFERENCE LEVEL mark turns green. And then confirm that the SYNC: YES again. Press the [EXIT] key to get out SERVICE MENU.
RF AGC	Remote control unit Adjustment item S45: AGC ADJ	n Initial settin	[1.V/C (S)] S45: AGC ADJ g value	 (1) Receive a black and white signal (color off). (2) Enter the SERVICE MENU. (3) Select < S45 > (AGC ADJ) of the 1. V/C(S). (4) Press the [MUTING] key and turn off color. (5) With the [VOL ◆] key to get the noise in the screen picture (zero side of setting value). (6) Press the [VOL ▶] key several times and step when noise disappears from the screen (at that time, not to increase the value too much). (7) Change to other channels and make sure that there is no irregularity. (8) Press the [EXIT] key and get color out.

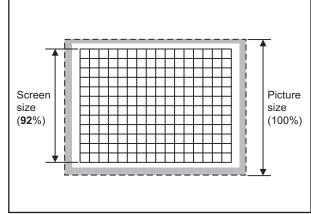
4.7.3 FOCUS

Item	Measuring instrument	Test point	Adjustment part	Description
FOCUS	Signal generator		FOCUS VR [In HVT]	 (1) Receive the cross-hatch signal. (2) While watching at the screen, adjust the FOCUS VR to the vertical and horizontal lines will be thinnest and sharpest center horizontal line. (3) Make sure that the picture is in focus even when the screen gets darkened.

4.7.4 DEFLECTION CIRCUIT

- The setting (adjustment) using the remote control unit is made on the basis of the initial setting values.
- The setting values which adjust the screen to the optimum condition can be different from the initial setting values.

Item	Measuring instrument	Test point	Adjustment part	Description
V. SIZE / V. POSITION (4:3)	Signal generator Remote control unit		AV-27FA44 [2.DEF (D)] D05: V PHASE D07: V SIZE V. CENTER SW (S1421) [MAIN PWB]	 (1) Receive the cross-hatch signal. (2) Enter the SERVICE MENU. (3) Select the < D05 > (V PHASE) of the 2.DEF(D). (4) Check that the value of < D05 > is 0. (5) Adjust the vertical screen size of the visible screen top to 92% with the < D07 > (V SIZE) and V CENTER SW. NOTE: Bottom is to be located with 85%~95% range. When vertical linearity is not even, adjust vertical linearity by < D13 > (V LIN) and < D11 > (VS CORR).
			AV-32FA44 AV-36FA44 [2.DEF (D)] D05: V PHASE D07: V SIZE D09: V CENTER	 (1) Receive the cross-hatch signal. (2) Enter the SERVICE MENU. (3) Select the < D05 > (V PHASE) of the 2.DEF(D). (4) Check that the value of < D05 > is 0. (5) Adjust the vertical screen size of the visible screen top to 92% with the < D07 > (V SIZE) and < D09 > (V SIZE)
				CENTER).



NOTE:

- Bottom is to be located with 85%~95% range.
- When vertical linearity is not even, adjust vertical linearity by < D13 > (V LIN) and < D11 > (VS CORR).

	Initial setting value					
Adjustment item	AV-27FA44		AV-32FA44		AV-36FA44	
	ASA	AZA	AYA	AZA	AV-30FA44	
D05: V PHASE	0		0		0	
D07: V SIZE	90	80	80	65	80	
D09: V CENTER	32		15	35	15	

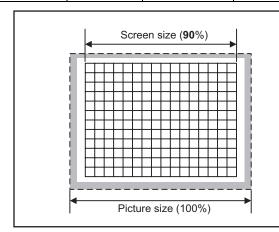
Item	Measuring instrument	Test point	Adjustment part
V. SIZE / V. POSITION (16:9)	Signal generator Remote control unit		[2.DEF (D)] D08: V. SIZE+- D14: V. LIN+-





	Adjust point	Setting item	Settin	g value
	В	D08: V. SIZE+-	50mm	[AV-27FA44]
		D14: V. LIN+-	60mm	[AV-32FA44]
			67mm	[AV-36FA44]

 H. SIZE / H. POSITION / SIDE PIN (4:3)
 Signal generator
 [2.DEF (D)] D03: H POSI D15: H SIZE D23: EW PARA D19: EWCR TOP D21: EWCR BTM



Satting item	Initial setting value			
Setting item	AV-27FA44	AV-32FA44	AV-36FA44	
D03: H POSI	20	25	22	
D15: H SIZE	33	31	30	
D19: EWCR TOP	12	13	8	
D21: EWCR BTM	14	13	8	
D23: EW PARA	36	35	37	

 V. SIZE / V. POSITION (4:3) adjustment should be finished.

Description

- (1) Receive a black and white signal (color off).
- (2) Select 16:9 mode with the [ASPECT] key.
- (3) Confirm that the width of V. BLANKING is equal to adjustment value (B).
- (4) If the adjustment is not correct, enter the SERVICE MENU.
- (5) Then adjust the < D08 > (V. SIZE+-) and < D14 > (V. LIN+-) to be same to adjustment value (B).

NOTE:

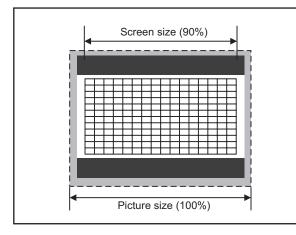
• When you change the VERTICAL adjustment value of the regular mode (4:3), review the adjustment of 16:9 mode again.

- V. SIZE / V. POSITION adjustment should be finished.
 - (1) Receive a cross-hatch signal.
 - (2) Enter the SERVICE MENU.
 - (3) Select the < D03 > (H POSI) of the 2.DEF (D).
- (4) Adjust by H. POSITION to be same size at both side.
- (5) Then adjust the horizontal size of the visible screen at both size to 90% with the < D15 > (H. SIZE).
- (6) And adjust the vertical line at both side to become linear line by < D23 > (EW PARA).
- (7) Confirm the linearity of vertical line and horizontal size
- (8) If it is necessary, readjust 1.~7.

NOTE:

 If it is not straight the vertical upper and bottom corner line adjustment the upper and bottom corner pin by < D19 > (EWCR TOP) and < D21 > (EWCR BTM).

Item	Measuring instrument	Test point	Adjustment part	
H. POSITION /	Signal		[2.DEF (D)]	• V. SI.
H. SIZE /	generator		D16: H SIZE+-	• H. SI
SIDE PIN			D04: H POSI+-	be fin
(16:9)	Remote		D24: EW PARA+-	(1) R
	control unit		D20: EWCR T+-	(2) S
			D22: EWCR B+-	(3) E
	1		l	(4) 0



Satting item	Initial setting value			
Setting item	AV-27FA44	AV-32FA44	AV-36FA44	
D04: H POSI+-	0			
D16: H SIZE+-	0			
D20: EWCR T+-	0			
D22: EWCR B+-	0			
D24: EW PARA+-	-15	-16	-14	

V. SIZE / V. POSITION adjustment should be finished.

Description

- H. SIZE / H. POSITION / SIDE PIN adjustment should be finished. (Regular size(4:3)).
 - (1) Receive the cross-hatch signal.
 - (2) Select 16:9 mode with the [ASPECT] key.
 - (3) Enter the SERVICE MENU.
 - (4) Confirm both sides of cross-hatch to be the adjustment value 90%.
 - (5) If it not correct, adjust to be value 90% at the < D16 > (H SIZE+-) and < D04 > (H POSI+-).
 - (6) Confirm the vertical SECOND line from lift and right to be straight.
 - (7) If it is not straight, adjust to be straight at < D24 > (EW PARA+-), < D20 > (EWCR T+-) and < D22 > (EWCR B+-).

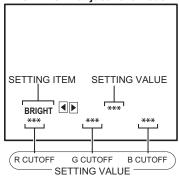
NOTE:

 Review the adjustment of 16:9 mode again when you change the SIDE PIN adjustment value of regular (4:3) mode.

4.7.5 VIDEO CIRCUIT

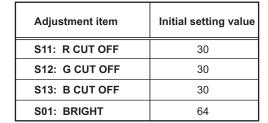
Item	Measuring instrument	Test point	Adjustment part
WHITE BALANCE (Low Light)	Signal generator Remote control unit		[1.V/C (S)] S01: BRIGHT S11: R CUTOFF S12: G CUTOFF S13: B CUTOFF [7.LOW LIGHT] SCREEN VR [in HVT]

LOW LIGHT adjustment mode





SINGLE HORIZONTAL LINE



(1) Receive the black and white signal (color off).

Description

- (2) Enter the SERVICE MENU.
- (3) Select the 1.V/C (S).
- (4) Confirm the initial setting value of < S11 > (R CUTOFF), < S12 > (G CUTOFF), < S13 > (B CUTOFF) and < S01 > (BRIGHT).
- (5) Return the SERVICE MENU and select the 7.LOW LIGHT.
- (6) Display a single horizontal line by pressing the [1] key.
- (7) Turn the SCREEN VR all the way to the left.
- (8) Turn the SCREEN VR gradually to the right from the left until either one of the red, blue or green colors appears faintly.
- (9) Adjust the two colors which did not appear until the single horizontal line that is displayed becomes white using the [4] ~ [9] keys.
- (10) Turn the SCREEN VR until the single horizontal line is displayed faintly.
- (11) Press the [2] key to cancel the single horizontal line mode.
- (12) Adjust the BRIGHT level to become the black component shines white slightly.
- (13) Confirm that whether the color ingredient of R, G, or B is visible to the black component, which shines white slightly.
- (14) When the color ingredient can be seen, two colors other than a visible color are adjusted, and it is made to look white.
- (15) Return the value of < S01 > to initial setting value.
- The [3] (EXIT) key is the cancel key for the WHITE BALANCE.

REMO	REMOTE CONTROL UNIT					
H.LINE ON	H.LINE OFF	EXIT				
R CUTOFF 4	G CUTOFF▲	B CUTOFF▲				
R CUTOFF▼	G CUTOFF▼	B CUTOFF▼				

Item	Measuring instrument	Test point	Adjustment part	Description	
WHITE BALANCE (High Light)	Signal [1.V/C (S)] NCE generator S14: R DRIVE		S14: R DRIVE S15: B DRIVE [8.HIGH LIHGT]	 (1) Receive the black-and-white signal (color off). (2) Enter the SERVICE MENU. (3) Select the 1.V/C (S). (4) Set the initial setting value of < S14 > (R DRIVE) and < S15 > (B DRIVE). (5) Return the SERVICE MENU and select the 8.HIGH LIGHT. (6) Adjust the screen until it becomes white using the [4], [6], [7] and [9] keys. The [3] (EXIT) key is the cancel key for the WHITE BALANCE. 	
	R DRIVE	B DRIV	/E	Adjustment item Initial setting value S14: R DRIVE 64 S15: G DRIVE 64	
	REMOTE	CONTROL UNIT			
	① D DRIVE ▲ ④ D DRIVE ▼ ⑦	(2) (3) (3) (5) (6) (6) (6) (8) (9)	E▲		
SUB BRIGHT	Remote control unit		[1.V/C (S)] S01: BRIGHT	(1) Receive the broadcast and set the STANDARD mode.	
	Adjustment item	Initial set	ting value	(2) Enter the SERVICE MENU. (3) Select < S01 > (BRIGHT) of the 1.V/C(S). (4) Set the initial setting value of the < S01 >.	
	S01: BRIGHT	6	64	(5) If the brightness is not the best with the initial se value, make fine adjustment of the < S01 > until get the optimum brightness.	
SUB CONTRAST	Remote control unit	1 1		(1) Receive the broadcast and set the STANDAF mode. (2) Enter the SERVICE MENU.	
	Adjustment item	Initial set	ting value	(3) Select < S02 > (PICTURE) of the 1.V/C(S).(4) Set the initial setting value of the < S02 >.	
L	S02: PICTURE	6	60	(5) If the contrast is not the best with the initial so value, make fine adjustment of the < S02 > unt get the optimum contrast.	

Item	Measuring instrumen	I AST DOINT	Adjustment p	nrt Description
SUB COLOR Remote control unit			[1.V/C (S)] S03: COLOR	[Method of adjustment without measuring instrument] (1) Receive the broadcast. (2) Enter the SERVICE MENU.
	Adjustr		Initial setting value	(3) Select < S03 > (COLOR) of the 1.V/C(S). (4) Set the initial setting value of the < S03 >.
	so	3: COLOR	50	(5) If the color is not the best with the Initial setting value, make fine adjustment of the < \$03 > until you get the optimum color.
	Signal generator Oscilloscope Remote control unit	TP-B TP-E [CRT SOCKET PWB]	[9.RF AFC] [1.V/C (S)] S03: COLOR	[Method of adjustment using measuring instrument] (1) Input the full field color bar signal (75% white). (2) Enter the SERVICE MENU. (3) Select 9.RF AFC, and set the AFC to OFF. (4) Select < S03 > (COLOR) of the 1.V/C(S). (5) Set the initial setting value of the < S03 >. (6) Connect the oscilloscope between TP-B and TP-E. (7) Adjust COLOR and bring the value of (A) in the figure to the voltage shown in the table bellow. (8) Reset the AFC setting position from OFF to ON.
	<u>c</u> (—)		<u>-</u>)	AV-27FA44 +17V
	W		(A)	AV-32FA44 +27V
		M († +)	AV-36FA44 +30V

Item	Measuring instrument	Test point	Adjustment part	Description				
SUB TINT	Remote control unit		[1.V/C (S)] S04: TINT	[Method of adjustment without measuring instrument] (1) Receive the broadcast. (2) Enter the SERVICE MENU. (3) Select < S04 > (TINT) of the 1.V/C(S). (4) Set the initial setting value of the < S04 >. (5) If the tint is not the best with the initial setting value, make fine adjustment of the < S04 > until you get the optimum tint.				
				Adjustn	nent item	Initial setting value		
				\$04:	TINT	68		
	Signal generator Oscilloscope Remote control unit	TP-B TP-E [CRT SOCKET PWB]	[9.RF AFC] [1.V/C (S)] S04: TINT	[Method of adjustment using measuring instrument (1) Input the full field color bar signal (75% white). (2) Enter the SERVICE MENU. (3) Select 9.RF AFC, and set the AFC to OFF. (4) Select < S04 > (TINT) of the 1.V/C(S). (5) Set the initial setting value of the < S04 >. (6) Connect the oscilloscope between TP-B and TP-E. (7) Adjust TINT and bring the value of (B) in the figure the voltage shown in the table bellow.				
Y G R				(8) Reset the AFC setting position from OFF to ON. Model name Setting value				
<u>c</u>			AV-27FA44	ASA AZA	+9V			
	W	1	0V B)	AV-32FA44	AYA	+9V		
M B ↓ (+)				71-721 777	AZA	+20V		
(' '				AV-36FA44	AYA	+28V		

4.7.6 MTS CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description				
MTS INPUT LEVEL	Signal generator Remote control unit	R OUT [AUDIO OUT]	[3.SOUND (A)] A01: IN LEVEL	 (1) Receive the cross-hatch signal (cross-hatch / 400Hz) (2) Enter the SERVICE MENU. (3) Select the < A01 > (IN LEVEL) of the 3.SOUND (A). (4) Verify that the < A01 > is set at its initial setting value. (5) Connect the signal generator to R OUT pin of the AUDIO OUT. (6) Adjust the MTS input level to 500mV(rms) by < A01 >. 				
					Adjustment item	Initial setting value		
					A01: IN LEVEL	10		
MTS SEPARATION TV audio multiplex signal generator Oscilloscope R OUT L OUT A02: LOW SEP. A03: HI SEP.			A02: LOW SEP.	 (1) Input the stereo L signal (300Hz) from the TV audio multiplex signal generator to the antenna terminal. (2) Connect an oscilloscope to R OUT pin of the AUDIO OUT, and display one cycle portion of the 300Hz signal. (3) Enter the SERVICE MENU. (4) Select the < A02 > (LOW SEP.) of the 3.SOUND (A). 				
L-Channel signal waveform R-Channel crosstalk portion Minimum 1 cycle				 (5) Set the initial setting value of the < A02 >. (6) Adjust the < A02 > so that the stroke element of the 300Hz signal will become minimum. (7) Change the connection of the oscilloscope to L OUT pin of the AUDIO OUT, and enlarge the voltage axis. (8) Change the signal to 3kHz, and similarly adjust the < A03 > (HI SEP.). 				
					Adjustment item	Initial setting value		
					A02: LOW SEP	32		
					A03: HI SEP	32		

4.8 HOW TO CHECK THE HIGH VOLTAGE HOLD DOWN CIRCUIT

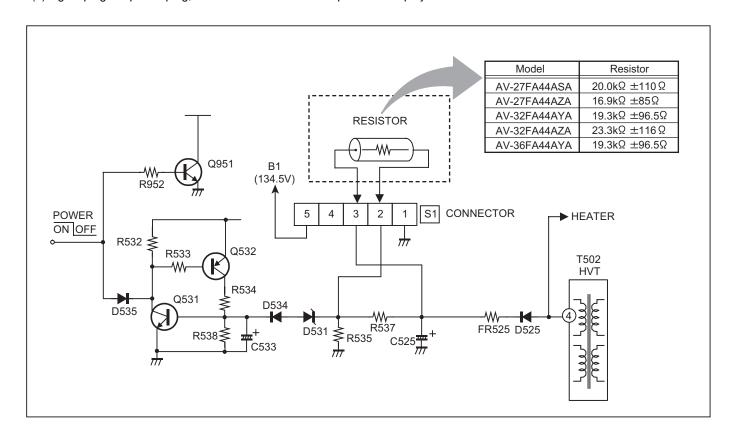
4.8.1 HIGH VOLTAGE HOLD DOWN CIRCUIT

After repairing the high voltage hold down circuit shown in Fig. 1.

This circuit shall be checked to operate correctly.

4.8.2 CHECKING OF THE HIGH VOLTAGE HOLD DOWN CIRCUIT

- (1) Turn the power switch to on.
- (2) As shown in Fig. 1, set the resistor between [S1] connector [2] and [3] .
- (3) Make sure that the screen picture disappears.
- (4) Temporarily unplug the power plug.
- (5) Remove the resistor replaced [S1] connector [2] and [3].
- (6) Again plug the power plug, make sure that the normal picture is displayed on the screen.



SECTION 5 TROUBLE SHOOTING

5.1 SELF CHECK INDICATING FUNCTION

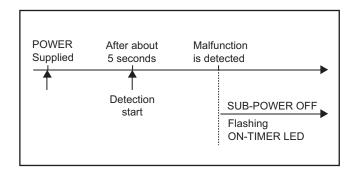
The self check function begins detection about 5 seconds after power is supplied.

In the event a malfunction is detected, the sub-power is cut off immediately.

At this time, the ON TIMER LED flashes to inform of the malfunction. $\,$

[ON-TIMER LED indication]

ltem	LED ON / OFF intervals
B1 over current / NECK	0.5-second (ON / OFF)



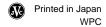
JVC SERVICE & ENGINEERING COMPANY OF AMERICA DIVISION OF JVC AMERICAS CORP.

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JVC CANADA INC.

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SCHEMATIC DIAGRAMS

COLOR TELEVISION

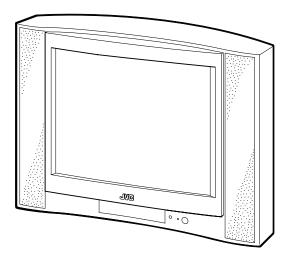
AV-27FA44/ASA, AV-27FA44/AZA, AV-32FA44/AZA, AV-36FA44/AYA

CD-ROM No.SML200307

BASIC CHASSIS

GJ2





AV-27FA44/ASA, AV-27FA44/AZA, AV-32FA44/AYA, AV-32FA44/AZA, AV-36FA44/AYA STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the \(\textit{\Lambda}\) symbol and shading are critical for safety. For continued safety replace safety ciritical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal : Colour bar signal

(2) Setting positions of

each knob/button and

variable resistor : Original setting position

when shipped

(3)Internal resistance of tester : DC $20k\Omega/V$

(4)Oscilloscope sweeping time $: H \rightarrow 20\mu s / div$

 $: V \qquad \quad \Rightarrow \quad \mathsf{5ms} \, \mathsf{/} \, \mathsf{div}$

: Othters \Rightarrow Sweeping time is

specified

(5) Voltage values : All DC voltage values

* Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

• In the PW board : $R1209 \rightarrow R209$

4.INDICATIONS ON THE CIRCUIT DIAGRAM (1)Resistors

Resistance value

 $\begin{array}{lll} \text{No unit} & : \left[\begin{array}{c} \Omega \end{array} \right] \\ \text{K} & : \left[k \Omega \right] \\ \text{M} & : \left[\text{M} \Omega \right] \end{array}$

Rated allowable power

No indication : 1/16 [W]
Others : As specified

Type

No indication : Carbon resistor

OMR : Oxide metal film resistor
MFR : Metal film resistor
MPR : Metal plate resistor
UNFR : Uninflammable resistor
FR : Fusible resistor

* Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

Capacitance value

1 or higher : [pF] less than 1 : [µF]

Withstand voltage

No indication : DC50[V]

Others : DC withstand voltage [V]

AC indicated : AC withstand voltage [V]

* Electrolytic Capacitors

47/50[Example]: Capacitance value [µF]/withstand voltage[V]

TypeNo indication

: Ceramic capacitor

MM : Metalized mylar capacitor
PP : Polypropylene capacitor
MPP : Metalized polypropylene (

MPP : Metalized polypropylene capacitor
MF : Metalized film capacitor

TF : Thin film capacitor
BP : Bipolar electrolytic capacitor

TAN : Tantalum capacitor

(3)Coils

No unit : [µH]

Others : As specified

(4)Power Supply

: B1 : B2 (12V)

: Wrapping or soldering

*Respective voltage values are indicated

(5)Test point

: Test point : Only test point display



(7)Ground symbol

川 : ISOLATED(NEUTRAL) side ground

 $\stackrel{\bot}{=}$: EARTH ground $\stackrel{\downarrow}{\vee}$: DIGITAL ground

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (\bot) side GND and the ISOLATED(NEUTRAL) : (\Longrightarrow) side GND. Therefore, care must be taken for the following points.

(1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. if the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.

(2) Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time.
If the above precaution is not respected, a fuse or any parts will be broken.

 Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

NOTE

◆ Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.

When ordering parts, please use the numbers that appear in the Parts List.

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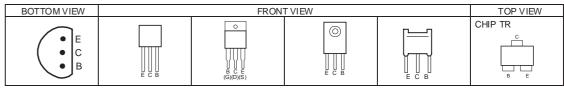
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MAIN PWB PATTERN AV SELECTOR PWB PATTERN CRT SOCKET PWB PATTERN DAF PWB PATTERN FRONT CONTROL PWB PATTERN	2-172-192-202-212-22

USING P.W. BOARD

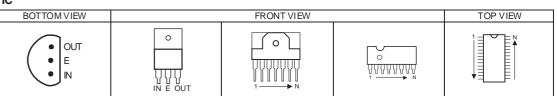
PWB ASS'Y name	AV-27FA44/ASA	AV-27FA44/AZA	AV-32FA44/AYA	AV-32FA44/AZA	AV-36FA44/AYA
MAIN P.W. BOARD	SGJ-1508A-M2	SGJ-1509A-M2	SGJ-1506A-M2	SGJ-1510A-M2	SGJ-1507A-M2
CRT SOCKET P.W. BOARD	SGJ-3502A-M2	SGJ-3506A-M2	SGJ-3504A-M2	SGJ-3503A-M2	SGJ-3501A-M2
AV SELECTOR P.W. BOARD	SGJ-5502A-M2	←	←	←	←
FRONT CONTROL P.W. BOARD	SGJ-6501A-M2	←	SGJ-6502A-M2	←	SGJ-6503A-M2
LED & POWER SW P.W. BOARD	SGJ-7502A-M2	←	←	←	←
DAF P.W BOARD	-	-	SGJ-2503A-M2	SGJ-2502A-M2	SGJ-2501A-M2

SEMICONDUCTOR SHAPES

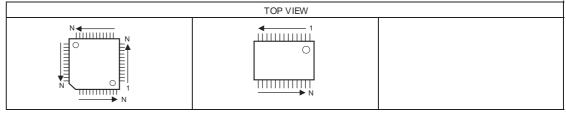
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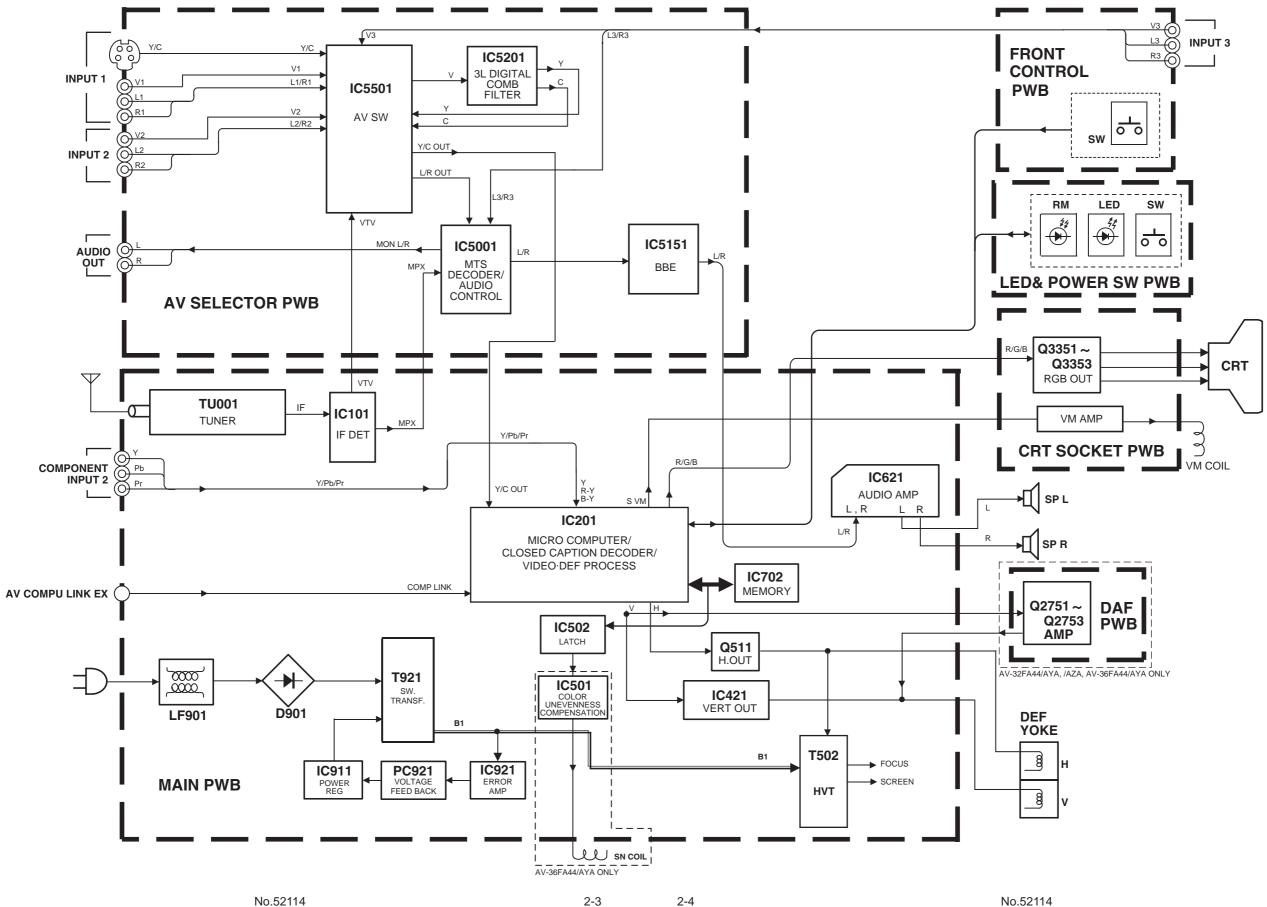


IC



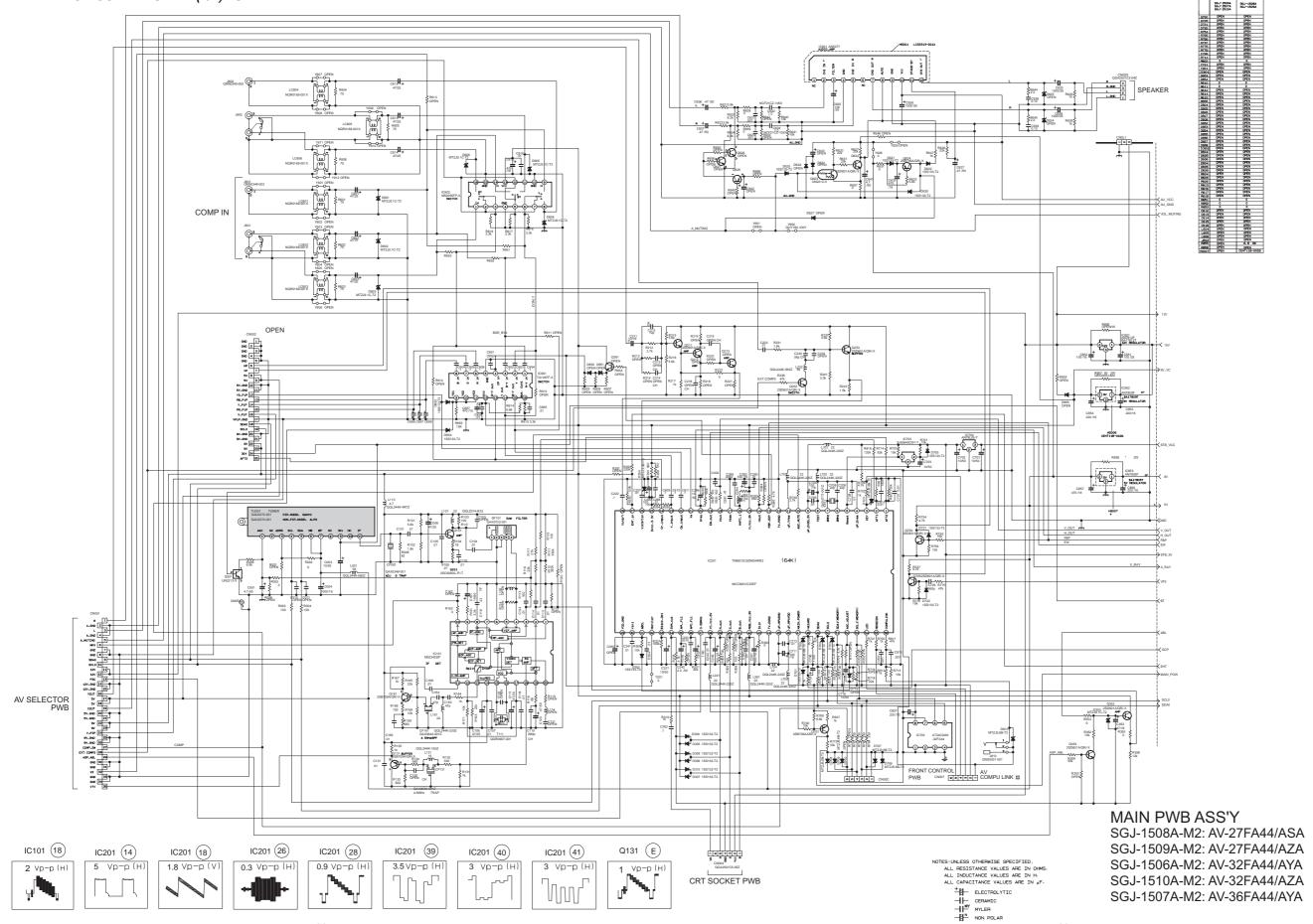
CHIP IC

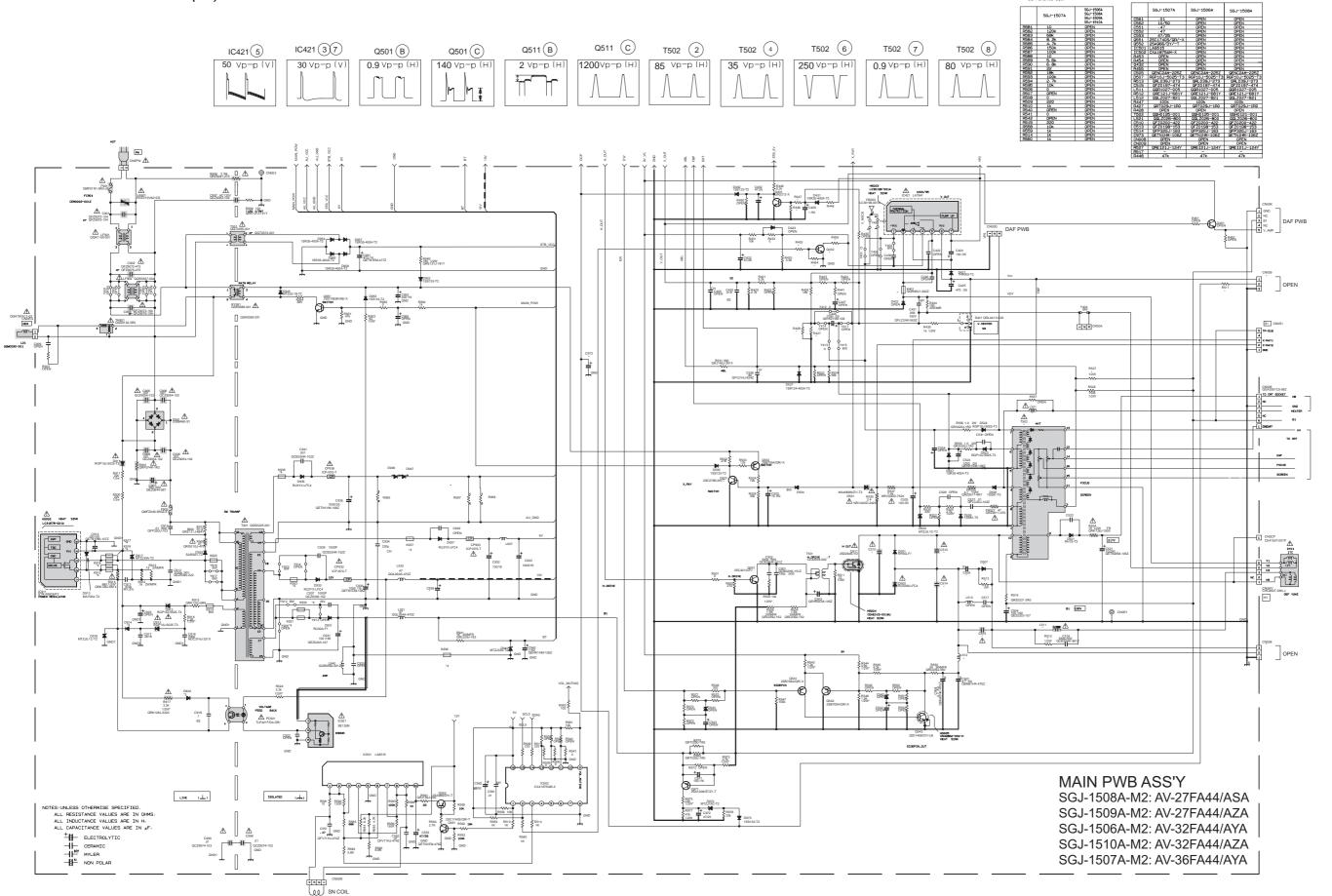


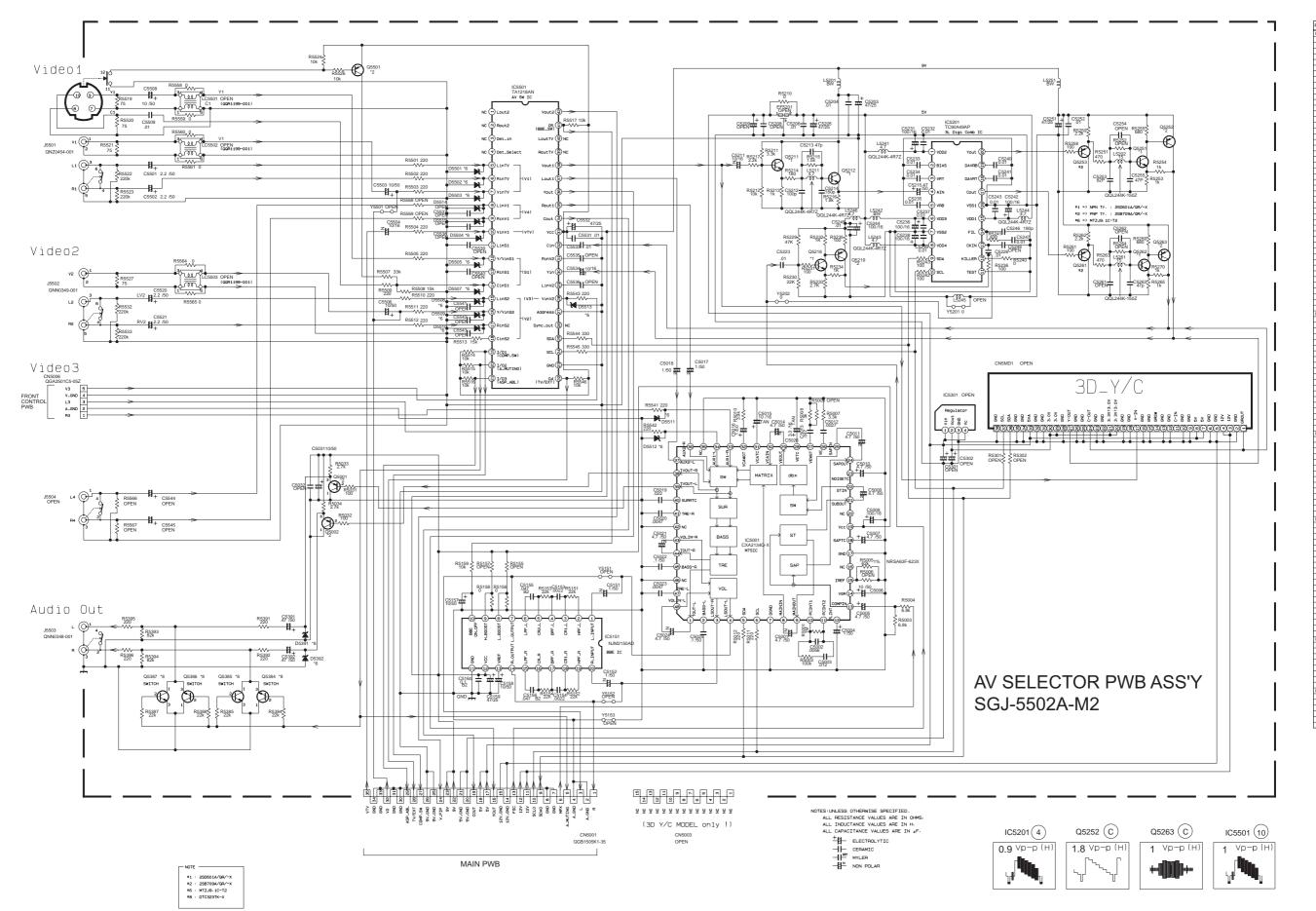


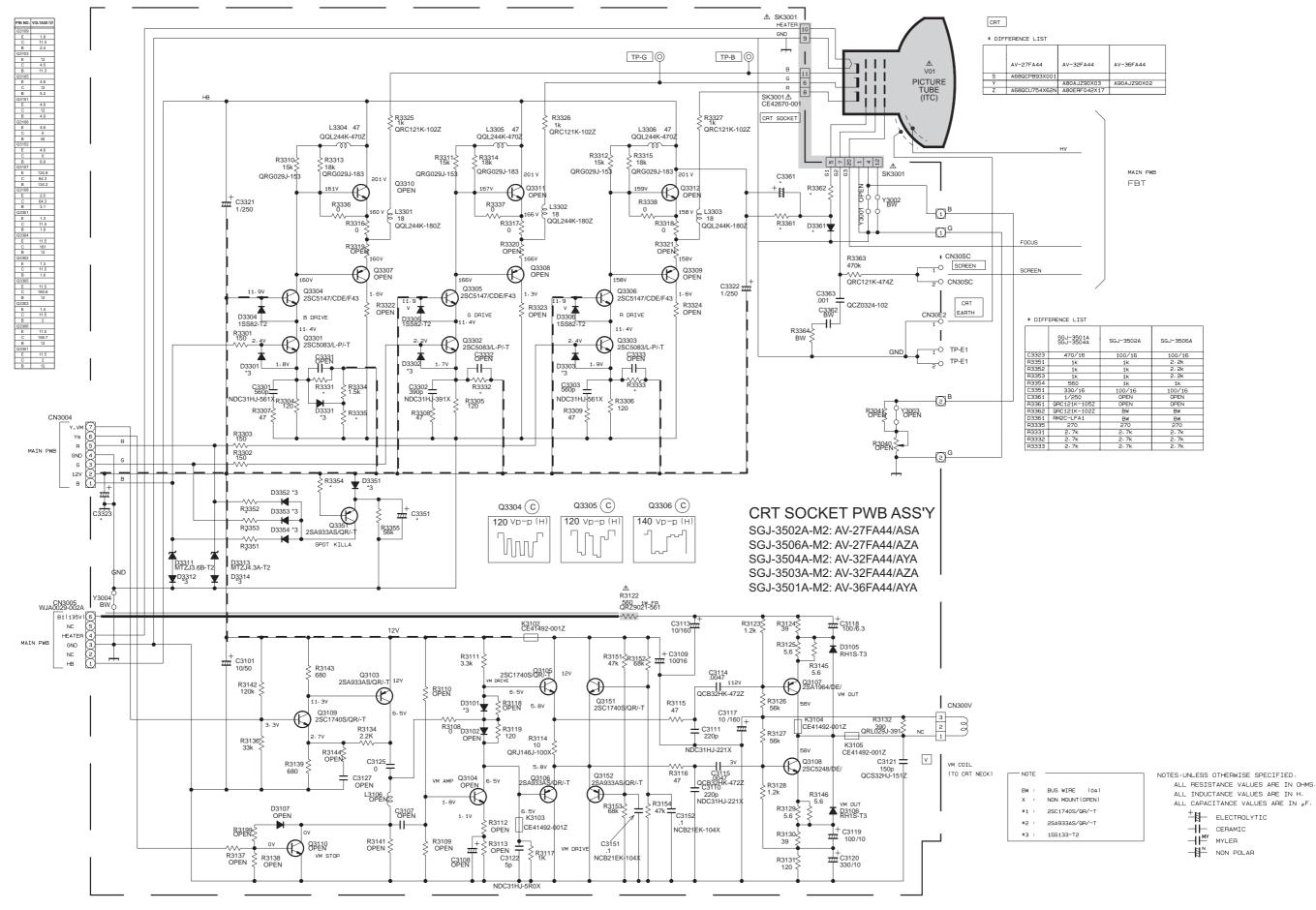
CIRCUIT DIAGRAMS

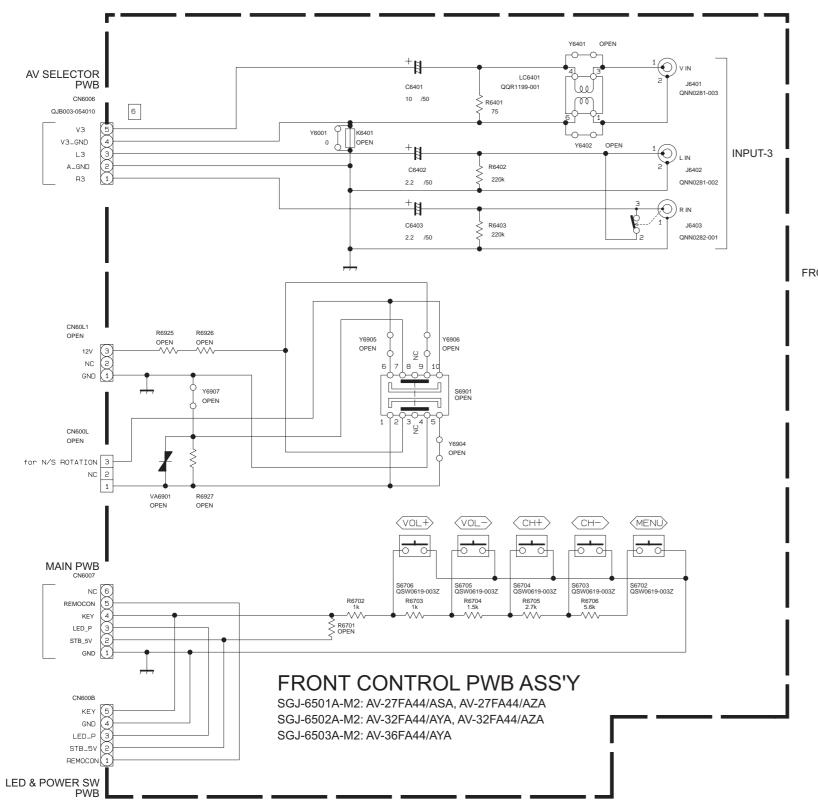
MAIN PWB CIRCUIT DIAGRAM (1/2) SHEET 1

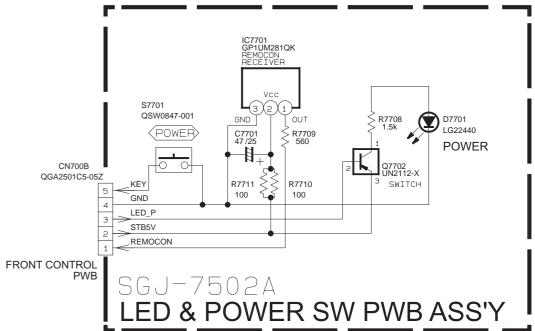












NOTES: UNLESS OTHERWISE SPECIFIED.

ALL RESISTANCE VALUES ARE IN OHMS.

ALL INDUCTANCE VALUES ARE IN H. ALL CAPACITANCE VALUES ARE IN #F.

+ ELECTROLYTIC

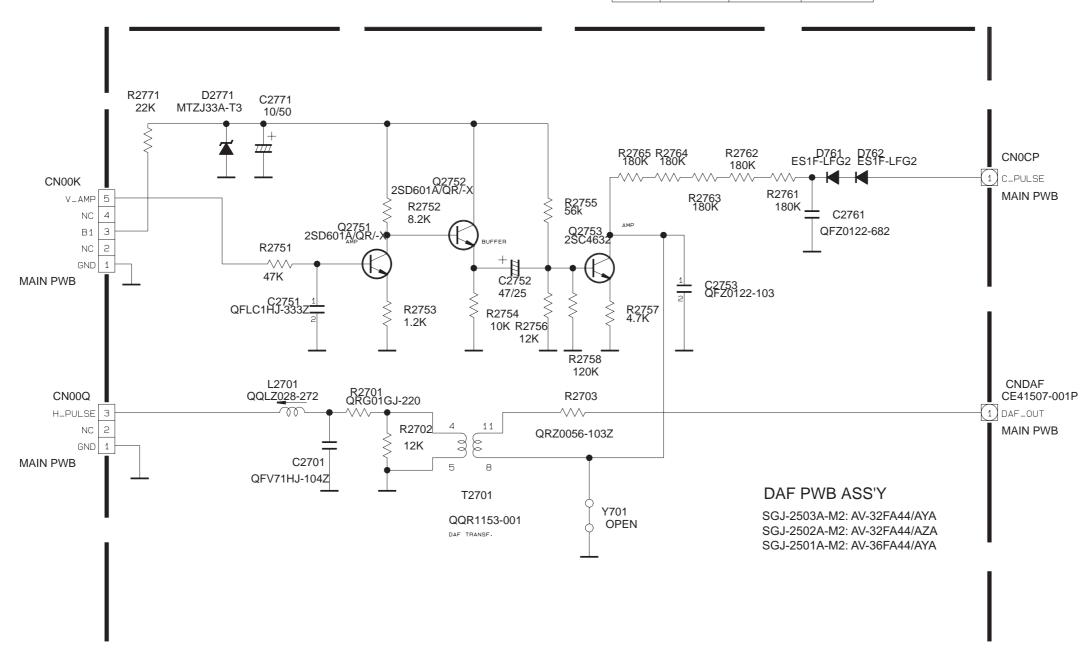
→ CERAMIC

MY MYLER

NON POLAR

	SGJ2501A	SGJ-2502A	SGJ-2503A
C2701	QFV71HJ-124Z	QFV71HJ-104Z	QFV71HJ-124Z

No.52114

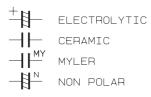


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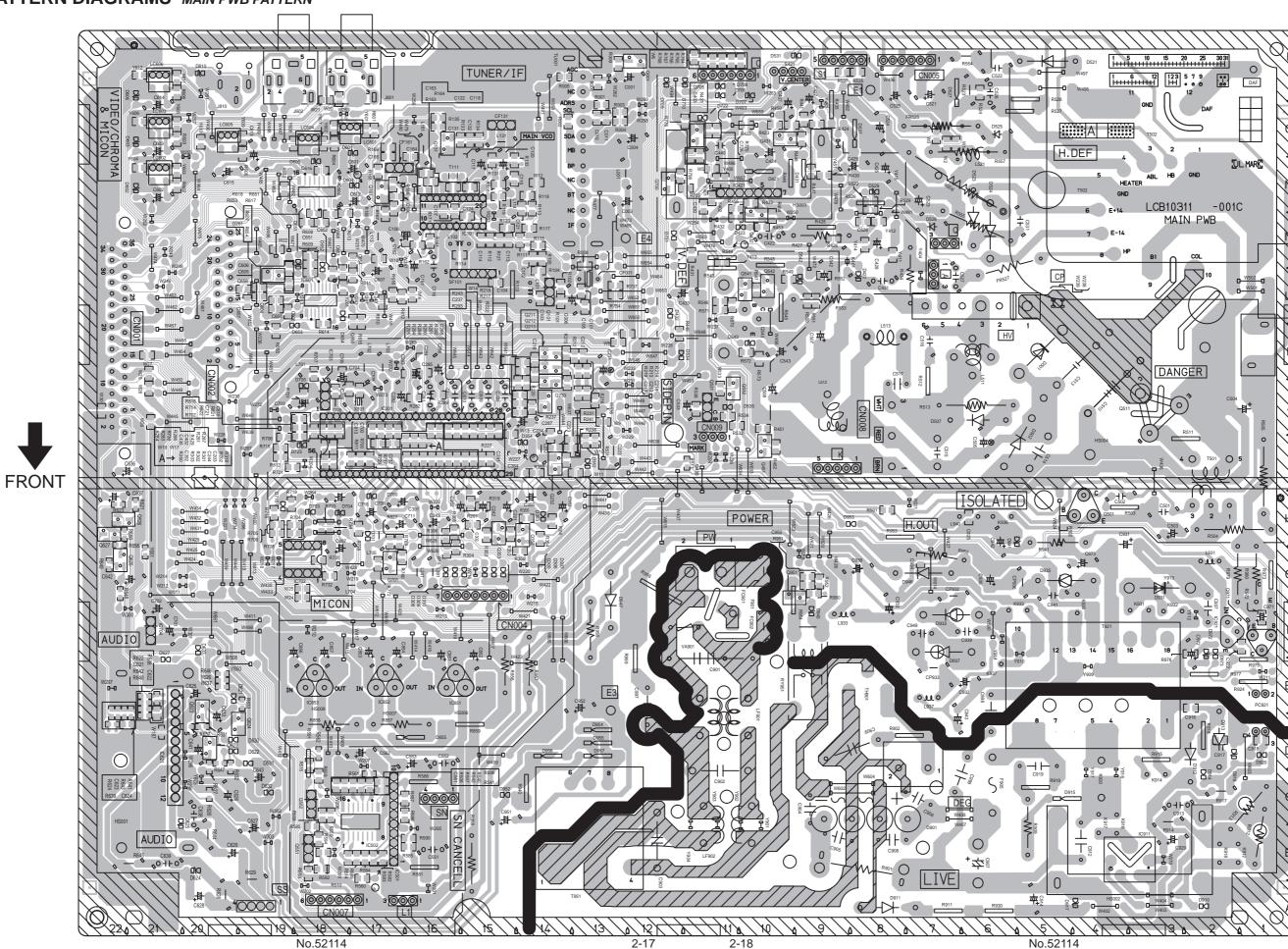
ALL RESISTANCE VALUES ARE IN OHMS.

ALL INDUCTANCE VALUES ARE IN H.

ALL CAPACITANCE VALUES ARE IN UF.

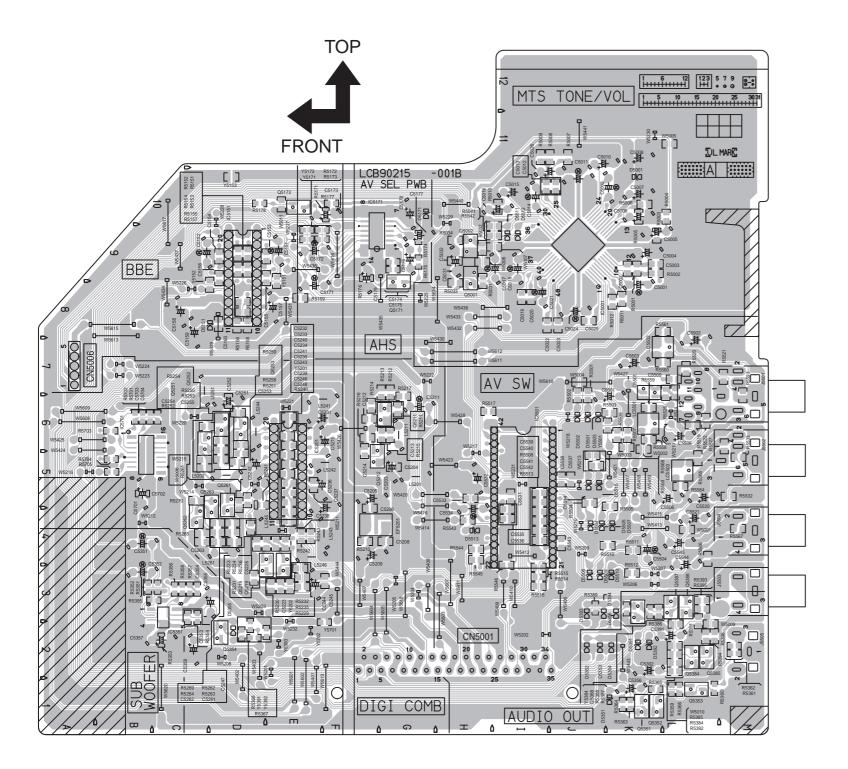


PATTERN DIAGRAMS MAIN PWB PATTERN

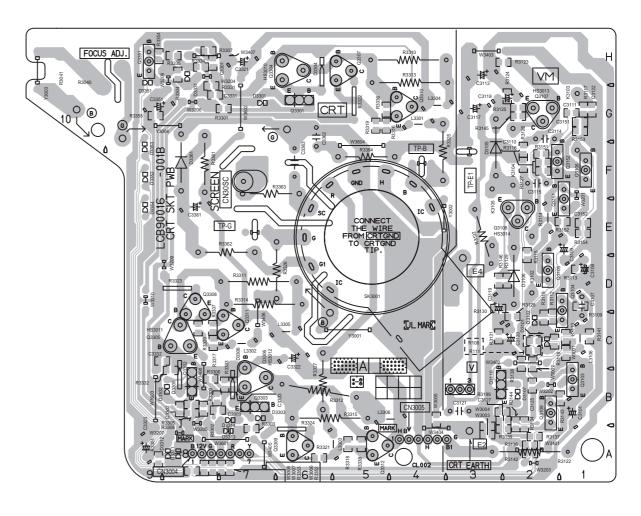


AV SELECTOR PWB PATTERN

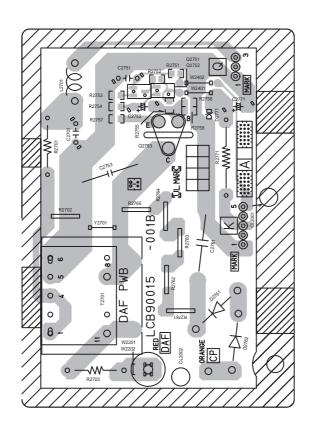
CRT SOCKET PWB PATTERN

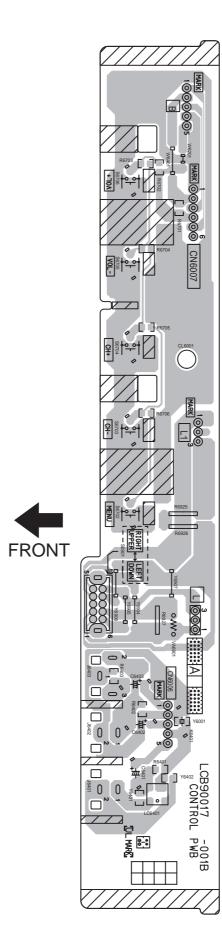


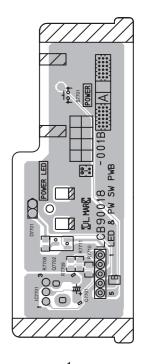














CHANNEL CHART (US)

MODE TV CATV		BAND		NNEL	TUNER
TV	CATV		REAL	DISP.	BAND
		VL	0 0	2 3 4 5 6	I
		VH	0 0 1 1 1	7 8 9 0 1 2 3	П
			A B	14 15	I
		MID	C D E F G H	16 17 18 19 20 21	
X			SUPER	J K L M N O P Q R S T U V W	23 24 25 26 27 28 29 30 31 32 33 34 35 36
	0	HYPER	W+1 W+2 W+3 W+4 W+5 W+6 W+7 W+8 W+9 W+10 W+11 W+12 W+13 W+14 W+15 W+16 W+17	37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53	
				W+18 W+19 W+20 W+21 W+22 W+23 W+24 W+25 W+26 W+27 W+28 W+29	54 55 56 57 58 59 60 61 62 63 64
		ULTRA	W+30 W+31 W+32 W+33 W+34	66 67 68 69 70	

МО	DE		CHAI	TUNER			
TV	CATV	BAND	REAL	DISP.	BAND		
×		ULTRA	W+35 W+36 W+37 W+38 W+39 W+40 W+41 W+42 W+43 W+44 W+45 W+46 W+47 W+50 W+51 W+52 W+53 W+54 W+55 W+56 W+57 W+58 W+59 W+60 W+61 W+62 W+63 W+64 W+65 W+67 W+68 W+67 W+68 W+69 W+70 W+71 W+72 W+73 W+74 W+75 W+76 W+77 W+78 W+79 W+80 W+81 W+82 W+83 W+84 A-8	71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 101	IV		
		SUB MID	A-8 A-4 A-3 A-2 A-1	01 96 97 98 99	I		
0	X	UHF 14			IV		
TOTAL 180CH { VHF 124CH { UHF 56CH							
NOTE: TO RECEIVE THE SUBSCRIPTION OR PREMIUM PROGRAMMING FROM CERTAIN CABLE COMPANIES. SPECIAL ADAPTERS MAY BE REQUIRED.							

CHANNEL CHART (CA)

MODE			CHAI	TUNER	
TV	CATV	BAND	REAL	BAND	
		VL	0 0 0 0	3 4 5	I
O		VH	07 08 09 10 11 12 13		
		MID	A B C D E F G H I	14 15 16 17 18 19 20 21	П
			J K M N O	23 24 25 26 27 28	
		SUPER	P Q R S T U V W	29 30 31 32 33 34 35 36	
×		HYPER	W+1 W+2 W+3 W+4 W+5 W+6 W+7 W+8 W+9 W+10 W+11 W+12 W+13 W+14 W+15 W+16 W+17 W+18 W+19 W+20 W+21 W+22 W+23 W+24 W+25 W+26 W+27 W+28	37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64	Ш
		ULTRA	W+29 W+30 W+31 W+32 W+33 W+34	65 66 67 68 69 70	IV

TV	DE	BAND		NNEL	TUNER	
		שאואם	REAL	DISP.	BAND	
×	O	ULTRA	W+35 W+36 W+37 W+38 W+39 W+40 W+41 W+42 W+43 W+46 W+47 W+48 W+49 W+50 W+51 W+52 W+53 W+54 W+55 W+56 W+61 W+62 W+63 W+64 W+65 W+66 W+70 W+71 W+72 W+73 W+74 W+75 W+76 W+77 W+81 W+82 W+83 W+84	71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125	IV	
			A-8 A-4	01 96	I	
		SUB MID	A-3 A-2 A-1	97 98 99	П	

No.52114 2-23 2-24 No.52114

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PARTS LIST

CAUTION

- The parts identified by the △ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

	RESISTORS CAPACITORS		
CR	Carbon Resistor	C CAP.	Ceramic Capacitor
FR	Fusible Resistor	E CAP.	Electrolytic Capacitor
PR	Plate Resistor	M CAP.	Mylar Capacitor
VR	Variable Resistor	CH CAP.	Chip Capacitor
HV R	High Voltage Resistor	HV CAP.	High Voltage Capacitor
MF R	Metal Film Resistor	MF CAP.	Metalized Film Capacitor
MG R	Metal Glazed Resistor	MM CAP.	Metalized Mylar Capacitor
MP R	Metal Plate Resistor	MP CAP.	Metalized Polystyrol Capacitor
OM R	Metal Oxide Film Resistor	PP CAP.	Polypropylene Capacitor
CMF R	Coating Metal Film Resistor	PS CAP.	Polystyrol Capacitor
UNF R	Non-Flammable Resistor	TF CAP.	Thin Film Capacitor
CH V R	Chip Variable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CH MG R	Chip Metal Glazed Resistor	TAN. CAP.	Tantalum Capacitor
COMP. R	Composition Resistor	CH C CAP.	Chip Ceramic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
		CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

RESISTORS									
F	G	J	К	М	N	R	Н	Z	Р
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

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CRT SOCKET P.W. BOARD ASS'Y (SGJ-3506A-M2)	
AV SELECTOR P.W. BOARD ASS'Y (SGJ-5502A-M2)	
FRONT CONTROL P.W. BOARD ASS'Y (SGJ-6501A-M2)	
LED & POWER SW P.W. BOARD ASS'Y (SGJ-7502A-M2)	
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MAIN P.W. BOARD ASS'Y (SGJ-1506A-M2)	
DAF P.W. BOARD ASS'Y (SGJ-2503A-M2)	
CRT SOCKET P.W. BOARD ASS'Y (SGJ-3504A-M2)	
AV SELECTOR P.W. BOARD ASS'Y (SGJ-5502A-M2)	3-21
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PRINTED WIRING BOARD PARTS LIST [AV-36FA44 /AYA]	
MAIN P.W. BOARD ASS'Y (SGJ-1510A-M2)	
DAF P.W. BOARD ASS'Y (SGJ-2502A-M2)	
CRT SOCKET P.W. BOARD ASS'Y (SGJ-3503A-M2)	
AV SELECTOR P.W. BOARD ASS'Y (SGJ-5502A-M2)	
FRONT CONTROL P.W. BOARD ASS'Y (SGJ-6502A-M2)	
LED & POWER SW P.W. BOARD ASS'Y (SGJ-7502A-M2)	
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DAF P.W. BOARD ASS'Y (SGJ-2501A-M2)	
CRT SOCKET P.W. BOARD ASS'Y (SGJ-3501A-M2)	
AV SELECTOR P.W. BOARD ASS'Y (SGJ-5502A-M2)	
FRONT CONTROL P.W. BOARD ASS'Y (SGJ-6503A-M2)	
LED & POWER SW P.W. BOARD ASS'Y (SGJ-7502A-M2)	
REMOTE CONTROL UNIT PARTS LIST (RM-C1252G-1H)	
PACKING	

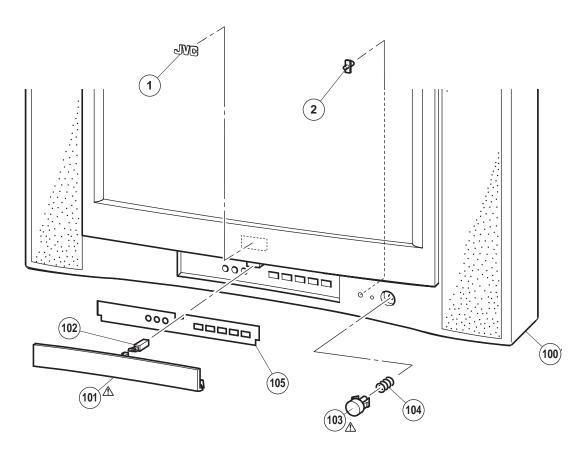
USING P.W. BOARD & REMOTE CONTROL UNIT

P.W.B ASS'Y	AV-27FA44/ASA	AV-27FA44/AZA	AV-32FA44/AYA	AV-32FA44/AZA	AV-36FA44/AYA
MAIN P.W.B	SGJ-1508A-M2	SGJ-1509A-M2	SGJ-1506A-M2	SGJ-1510A-M2	SGJ-1507A-M2
DAF P.W.B	-	-	SGJ-2503A-M2	SGJ-2502A-M2	SGJ-2501A-M2
CRT SOCKET P.W.B	SGJ-3502A-M2	SGJ-3506A-M2	SGJ-3504A-M2	SGJ-3503A-M2	SGJ-3501A-M2
AV SELECTOR P.W.B	SGJ-5502A-M2	←	←	←	←
FRONT CONTROL P.W.B	SGJ-6501A-M2	←	SGJ-6502A-M2	←	SGJ-6503A-M2
LED&POWER SW P.W.B	SGJ-7502A-M2	←	←	←	←
REMOTE CONTROL UNIT	RM-C1251G-1H	←	←	←	←

EXPLODED VIEW PARTS LIST -1

Δ	Ref.No.	Part No.	Part Name	Description	Local
	1 2	LC41193-003A-C LC32242-001A-A	JVC MARK RC LENS		
<u>^</u>	100 100 100 101 102 103	LC11556-001B-A LC11531-001B-A LC11557-001B-A LC21239-001C-A CM48229-00A-C LC32240-001A-A	FRONT CABI ASSY FRONT CABI ASSY FRONT CABI ASSY DOOR DOOR LATCH POWER KNOB	Inc. No.101-105 Inc. No.101-105 Inc. No.101-105	AV-27FA44/ASA,AV-27FA44/AZA AV-32FA44/AYA,AV-32FA44/AZA AV-36FA44/AYA
	104 105 105	CM36481-002A-A LC32241-001B-A LC32241-001A-A	SPRING OPERATION SHEET OPERATION SHEET		AV-27FA44/ASA,AV-27FA44/AZA,AV-32FA44/AYA,AV-32FA44/AZA AV-36FA44/AYA

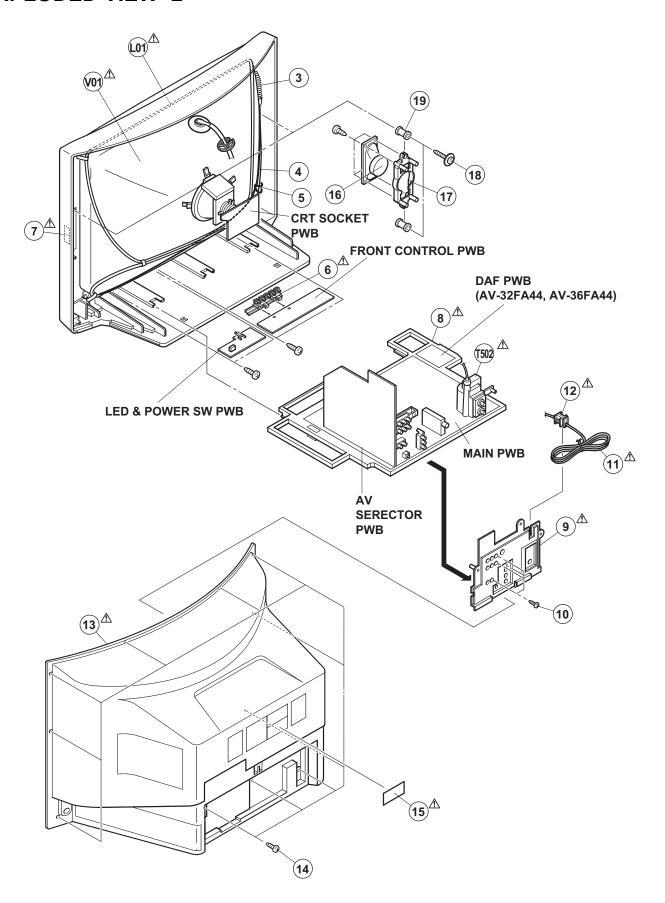
EXPLODED VIEW -1



EXPLODED VIEW PARTS LIST -2

\triangle	Ref.No.	Part No.	Part Name	Description	Local
	V01 V01 V01 V01 V01 L01 L01 L01 T502 T502 T502 T502 3	A68QCP893X003 A68QCU754X62N A80AJZ90X03 A80ERF042X17 A90AJZ90X02 QQW0090-001 QQW0107-001 QQW0176-001 QQW0122-001 QQH0121-001 QQH0125-001 QQH0140-001 A48457-4-S WJY0016-001A	ITC ITC ITC ITC ITC DEG COIL DEG COIL DEG COIL DEG COIL FB TRANSF SPRING BRAIDED ASSY	Inc. DY, PC MAGNET, WEDGE Inc. DY, PC MAGNET, WEDGE Inc. DY, PC MAGNET, WEDGE Inc. DY, PC MAGNET, WEDGE Inc. DY, PC MAGNET, WEDGE	AV-27FA44/AZA AV-32FA44/AYA AV-32FA44/AZA
٨	4 4 5 5 6 7	WJY0016-002A WJY0016-003A WJY0013-003A WJY0013-002A LC21260-001B-A GQ30034-001B-A	BRAIDED ASSY BRAIDED ASSY E-BRAIDED ASSY E-BRAIDED ASSY CONTROL KNOB WARNING LABEL	(x2)	AV-32FA44/AYA,AV32FA44/AZA AV-36FA44/AYA AV-27FA44/ASA,AV-27FA44/AZA,AV-32FA44/AYA,AV32FA44/AZA AV-36FA44/AYA
	8 9 10 11 12 13 13	LC10883-001C-A LC20899-004A-A QYSBSB3010Z QMPD390-200-JS LC20106-001D-A LC11555-001A-A LC11533-001A-A LC11559-001A-A	CHASSIS BASE TERMINAL BOARD TAP SCREW POWER CORD(US/CA) POWER CORD CLAM REAR COVER REAR COVER REAR COVER		AV-27FA44/ASA,AV-27FA44/AZA AV-32FA44/AYA,AV32FA44/AZA AV-36FA44/AYA
⚠	14 15 16 17 18 19	QYSBSFG4016Z GQ30032-001A-A QAS0131-001 LC21261-001A-A LC41029-001A-A LC40226-002A-A	TAP SCREW RATING LABEL SPEAKER SP HOLDER TAPPING SCREW SPACER	4mm x 16mm(x11) SP01, SP02(x2) (x2) (x4) (x4)	

EXPLODED VIEW -2



PRINTED WIRING BOARD PARTS LIST [AV-27FA44 /ASA]

MAIN F	P.W. BOARD AS	SS'Y (SGJ-1508A	-M2)	⚠Ref No.	Part No.	Part Name	Description Local
⚠Ref No.	Part No.	Part Name	Description Local		MT7 IS OR TO	7.0005	
				D709	MTZJ5.6B-T2	Z DIODE	
10101	MEGGAGED	IC		D723	MTZJ5.6B-T2	Z DIODE	
IC101 IC201	M52342SP			D810 ∆ D901	MTZJ5.6B-T2	Z DIODE	
IC421	TM8812CSDNG4RR3 LA7841	IC		D910	GSIB460-S1 MA700A-T2	BRIDGE DIODE SB DIODE	
IC502	CXA1875AM-X	IC		D910 D911	RGP10J-5025-T3	SI DIODE	
IC621	AN5277	iC		D912	RGP10J-5025-T3	SI DIODE	
IC702	AT24C04W-32FA44	IC	(SERVICE)	D913	RGP10J-5025-T3	SI DIODE	
IC703	S-80840CNY-T	IC		D914	1SS133-T2	DIODE	
IC704	AN78L05-T	IC		D915	SARS01-T2	SI DIODE	
IC851 IC852	AN7812F AN7809F	IC IC		D917 D918	MTZJ30A-T2 MTZJ5.1C-T2	Z DIODE Z DIODE	
IC853	AN7805F	IC IC		D916 D920	1SS133-T2	DIODE	
∆IC911	STR-F6626/F3	iČ		D931	RU30A-F1	SI DIODE	
 ∆IC921	SE135N	iC		D933	RU3YX-LFC4	SI DIODE	
				D935	RU3YX-LFC4	SI DIODE	
Q001	UN2212-X	DIGI TRANSISTOR		D937	RU3YX-LFC4	SI DIODE	
Q101	2SC5083/L-P/-T	TRANSISTOR TRANSISTOR		D941	MTZJ33A-T2	Z DIODE	
Q131 Q161	2SB709A/QR/-X 2SD601A/QR/-X	TRANSISTOR		D945 D952	MTZJ9.1B-T2 1SS133-T2	Z DIODE DIODE	
Q211	2SD601A/QR/-X	TRANSISTOR		D952	1SS133-T2	DIODE	
Q232	2SD601A/QR/-X	TRANSISTOR		D954	1SR35-400A-T2	SI DIODE	
Q233	2SD601A/QR/-X	TRANSISTOR		D955	1SR35-400A-T2	SI DIODE	
Q352	2SD601A/QR/-X	TRANSISTOR		D956	1SR35-400A-T2	SI DIODE	
Q353	2SD601A/QR/-X	TRANSISTOR		D957	1SR35-400A-T2	SI DIODE	
Q431 Q501	UN2212-X 2SC4212/Z1/	DIGI TRANSISTOR TRANSISTOR		D972	MTZJ15C-T2	Z DIODE	
∆Q511	2SD2645-YD	TRANSISTOR	H OUT	D973	1SS133-T2	DIODE	
Q531 Q532	2SC2785/JH/-T 2SB709A/QR/-X	SI TRANSISTOR TRANSISTOR	11001	△ PC921	TLP421F/D4-GR/	PHOTO COUPLER	
Q541	2SB709A/QR/-X	TRANSISTOR		C001	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
Q542	2SB709A/QR/-X	TRANSISTOR		C003	QETN1HM-106Z	E CAPACITOR	10uF 50V M
Q543 Q622	2SD1408/OY/-LB 2SD601A/QR/-X	POW TRANSISTOR TRANSISTOR		C004 C006	QETN1CM-108Z	E CAPACITOR	1000uF 16V M
Q623	UN2212-X	DIGI TRANSISTOR		C101	QETN1EM-476Z NCB31HK-103X	E CAPACITOR C CAPACITOR	47uF 25V M 0.01uF 50V K
Q624	2SB709A/QR/-X	TRANSISTOR		C102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q625	2SB709A/QR/-X	TRANSISTOR		C104	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q626	2SD601A/QR/-X	TRANSISTOR		C105	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q627	2SD601A/QR/-X	TRANSISTOR		C106	QETN1EM-476Z	E CAPACITOR	47uF 25V M
Q701 Q951	2SB709A/QR/-X 2SD1383K/AB/-X	TRANSISTOR TRANSISTOR		C107	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q971	2SA1208/ST/Z1-T	TRANSISTOR		C113 C114	NCB31HK-103X NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K
ασ	20/11200/01/21			C116	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J
D305	1SS133-T2	DIODE		C117	QETN1EM-476Z	E CAPACITOR	47uF 25V M
D306	1SS133-T2	DIODE		C118	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
D307	1SS133-T2	DIODE		C119	NDC31HJ-681X	C CAPACITOR	680pF 50V J
D308 D309	1SS133-T2 1SS133-T2	DIODE DIODE		C120 C124	QETN1HM-474Z NCB31HK-103X	E CAPACITOR C CAPACITOR	0.47uF 50V M 0.01uF 50V K
D310	1SS133-T2	DIODE		C131	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
D352	MTZJ9.1C-T2	Z DIODE		C161	QETN1HM-106Z	E CAPACITOR	10uF 50V M
D353	1SS133-T2	DIODE		C163	NDC31HJ-470X	C CAPACITOR	47pF 50V J
D354	MTZJ3.3A-T2	Z DIODE		C164	NDC31HJ-470X	C CAPACITOR	47pF 50V J
D421 D422	1N4003-T2 MTZJ75-T2	SI DIODE Z DIODE		C165	NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K
D422 D432	1SS133-T2	DIODE		C166 C202	NCB31HK-103X QFTN1HM-1057	F CAPACITOR	0.01uF 50V K 1uF 50V M
D501	RH3G-F1	SI DIODE		C203	NCB31HK-152X	C CAPACITOR	1500pF 50V K
D502	RU3AM-LFC4	SI DIODE		C211	QENC1CM-106Z	BP E CAPACITOR	10uF 16V M
D507	RGP10J-5025-T3	SI DIODE		C212	NDC31HJ-100X	C CAPACITOR	10pF 50V J
D521	RH1S-T3	SI DIODE SI DIODE		C221	QETN1HM-106Z	E CAPACITOR	10uF 50V M
D523 D525	RGP10J-5025-T3 1SS81-T5	SI DIODE SI DIODE		C222 C223	QFVF1HJ-104Z NCB31HK-103X	MF CAPACITOR C CAPACITOR	0.1uF 50V J 0.01uF 50V K
D526	1SS81-T5	SI DIODE		C233	NDC31HJ-680X	C CAPACITOR	68pF 50V J
D527	1SR124-400A-T2	SI DIODE		C237	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
D529	MTZJ9.1C-T2	Z DIODE		C241	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
△ D531	MA4068N/Z1/-T2	Z DIODE		C242	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
D535	1SS133-T2	DIODE		C243	QETN1CM-107Z	E CAPACITOR	100uF 16V M
D537 D601	1SR35-400A-T2	SI DIODE Z DIODE		C244	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
D601	MTZJ9.1C-T2 MTZJ9.1C-T2	Z DIODE Z DIODE		C281 C282	QFVF1HJ-474Z QETN1CM-107Z	MF CAPACITOR E CAPACITOR	0.47uF 50V J 100uF 16V M
D602	MTZJ9.1C-T2	Z DIODE		C283	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
D621	1SS133-T2	DIODE		C284	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
D622	1SS133-T2	DIODE		C285	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
D627	1SS133-T2	DIODE		C286	QETN1HM-106Z	E CAPACITOR	10uF 50V M
D630	1SS133-T2	DIODE		C287	QETN1CM-107Z	E CAPACITOR	100uF 16V M
D631 D632	1SS133-T2 1SS133-T2	DIODE DIODE		C288 C302	NCB31HK-103X NCB31EK-104X	C CAPACITOR C CAPACITOR	0.01uF 50V K 0.1uF 25V K
D700	MTZJ5.6B-T2	Z DIODE		C352	QETN1CM-476Z	E CAPACITOR	47uF 16V M
D700	1SS133-T2	DIODE		C354	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
D703	MTZJ5.6B-T2	Z DIODE		C391	QETN1CM-107Z	E CAPACITOR	100uF 16V M
D704	MTZJ5.6B-T2	Z DIODE		C392	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
D705	1SS133-T2	DIODE		C422	QFN32AK-102Z	M CAPACITOR	1000pF 100V K
D706 D707	MTZJ5.6B-T2	Z DIODE Z DIODE		C424	QETN1VM-107Z	E CAPACITOR	100uF 35V M
D707 D708	MTZJ5.6B-T2 MTZJ5.6B-T2	Z DIODE Z DIODE		C425 C427	QETN1VM-477Z QETN1HM-225Z	E CAPACITOR E CAPACITOR	470uF 35V M 2.2uF 50V M
D100	M1200.0D-12	_ DIODL		0421	AF HAH HAL-577	- ONI AUTTOR	L.Lui JUV IVI

Ref No.	Part No.	Part Name	Description Local	Ref No.	Part No.	Part Name	Description Local
C428 C431	QETM1EM-228 QFLC2AK-563Z	E CAPACITOR M CAPACITOR	2200uF 25V M 0.056uF 100V K	C932 C933	QETN1EM-108Z QETN1CM-108Z	E CAPACITOR E CAPACITOR	1000uF 25V M 1000uF 16V M
C432	QETN1EM-476Z	E CAPACITOR	47uF 25V M	C934	NDC31HJ-221X	C CAPACITOR	220pF 50V J
C433 C435	QETN1EM-476Z NCB21HK-183X	E CAPACITOR C CAPACITOR	47uF 25V M 0.018uF 50V K	C935 C937	QETN1VM-108Z QCZ0340-102	E CAPACITOR C CAPACITOR	1000uF 35V M 1000pF 2kV K
C440	QCS32HJ-100Z	C CAPACITOR C CAPACITOR	10pF 500V J	C937	QETN1CM-108Z	E CAPACITOR	1000uF 16V M
C501	QCB32HK-151Z	C CAPACITOR	150pF 500V K	C939	QCB32HK-152Z	C CAPACITOR	1500pF 500V K
C502 C503	QCB32HK-331Z QEHR2CM-105Z	C CAPACITOR E CAPACITOR	330pF 500V K 1uF 160V M	C941 C942	QCB32HK-102Z QEHR1HM-105Z	C CAPACITOR E CAPACITOR	1000pF 500V K 1uF 50V M
C504	QEZ0203-107	E CAPACITOR	100uF 160V M	C943	QETN1CM-108Z	E CAPACITOR	1000uF 16V M
C505 C507	QENC2AM-225Z QEM61HK-475Z	BP E CAPACITOR E CAPACITOR	2.2uF 100V M 4.7uF 50V K	C951 C952	QETN1EM-477Z QETN1CM-227Z	E CAPACITOR E CAPACITOR	470uF 25V M 220uF 16V M
C508	QEM61HK-475Z	E CAPACITOR	4.7uF 50V K	C971	QETN1CM-107Z	E CAPACITOR	100uF 16V M
∆C510 ∆C513	QFZ0200-582 QFZ0196-113	MPP CAPACITOR MPP CAPACITOR	5800pF 1.5kV H 0.011uF 1.5kV H	C972 C973	QETN1EM-476Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	47uF 25V M 10uF 50V M
C514	QFP32GJ-183	PP CAPACITOR	0.018uF 400V J	∆ C997	QCZ9052-102	C CAPACITOR	1000pF AC125V M
C515 C516	QFZ0199-404 QCB32HK-561Z	MPP CAPACITOR C CAPACITOR	0.4uF 250V J 560pF 500V K	∆ C998 ∆ C999	QCZ9074-103 QCZ9074-103	C CAPACITOR C CAPACITOR	0.01uF AC250V M 0.01uF AC250V M
C521	QETN2EM-106Z	E CAPACITOR	10uF 250V M				
C523 C525	QEHR1VM-108Z QETN1VM-107Z	E CAPACITOR E CAPACITOR	1000uF 35V M 100uF 35V M	R002 R003	NRSA63J-0R0X NRSA63J-101X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 100Ω 1/16W J
C526	QFV21HJ-824Z	MF CAPACITOR	0.82uF 50V J	R004	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C527	QFLC2AJ-103Z QETN1HM-106Z	M CAPACITOR E CAPACITOR	0.01uF 100V J 10uF 50V M	R005 R008	NRSA63J-0R0X NRSA63J-820X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 82Ω 1/16W J
C533 C561	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R009	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C562 C601	QETN1HM-106Z QETN1EM-476Z	E CAPACITOR E CAPACITOR	10uF 50V M 47uF 25V M	R101 R102	NRSA63J-562X NRSA63J-182X	MG RESISTOR MG RESISTOR	5.6kΩ 1/16W J 1.8kΩ 1/16W J
C602	QETN1EM-476Z	E CAPACITOR	47uF 25V M	R103	QRE121J-101Y	C RESISTOR	1.00Ω 1/2W J
C603 C609	QETN1EM-476Z QFVF1HJ-104Z	E CAPACITOR MF CAPACITOR	47uF 25V M 0.1uF 50V J	R104 R105	NRSA63J-180X NRSA63J-270X	MG RESISTOR MG RESISTOR	18Ω 1/16W J 27Ω 1/16W J
C610	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	R111	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J
C611	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	R112	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J
C621 C622	NCB31HK-102X NCF21CZ-105X	C CAPACITOR C CAPACITOR	1000pF 50V K 1uF 16V Z	R113 R115	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J
C623	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R116	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
C624 C625	NCF21CZ-105X QETN1VM-107Z	C CAPACITOR E CAPACITOR	1uF 16V Z 100uF 35V M	R117 R118	NRSA63J-273X NRSA63J-223X	MG RESISTOR MG RESISTOR	27kΩ 1/16W J 22kΩ 1/16W J
C626	QETN1VM-108Z	E CAPACITOR	1000uF 35V M	R131	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C627 C628	QETN1HM-474Z QETN1EM-108Z	E CAPACITOR E CAPACITOR	0.47uF 50V M 1000uF 25V M	R132 R133	NRSA63J-331X NRSA63J-821X	MG RESISTOR MG RESISTOR	330Ω 1/16W J 820Ω 1/16W J
C629	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	R134	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
C633 C636	QETN1CM-477Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	470uF 16V M 10uF 50V M	R135 R161	NRSA63J-102X NRSA63J-332X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 3.3kΩ 1/16W J
C637	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R162	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C638 C639	QFV71HJ-124Z QFV71HJ-124Z	MF CAPACITOR MF CAPACITOR	0.12uF 50V J 0.12uF 50V J	R163 R164	NRSA63J-223X NRSA63J-102X	MG RESISTOR MG RESISTOR	22kΩ 1/16W J 1kΩ 1/16W J
C641	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	R165	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C642 C643	QETN1HM-475Z QETN1EM-476Z	E CAPACITOR E CAPACITOR	4.7uF 50V M 47uF 25V M	R166 R167	NRSA63J-103X NRSA63J-102X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 1kΩ 1/16W J
C700	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R168	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C701 C702	QETN1HM-106Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	10uF 50V M 10uF 50V M	R169 R171	NRSA63J-561X NRSA63J-103X	MG RESISTOR MG RESISTOR	560Ω 1/16W J 10kΩ 1/16W J
C703	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R201	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C704 C705	QETN1CM-107Z NCB31HK-103X	E CAPACITOR C CAPACITOR	100uF 16V M 0.01uF 50V K	R212 R215	NRSA63J-272X NRSA63J-562X	MG RESISTOR MG RESISTOR	2.7kΩ 1/16W J 5.6kΩ 1/16W J
C706	QETN1HM-105Z	E CAPACITOR	1uF 50V M	R216	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
C708 C709	NDC31HJ-220X NDC31HJ-220X	C CAPACITOR C CAPACITOR	22pF 50V J 22pF 50V J	R217 R222	NRSA63J-102X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 0Ω 1/16W J
C711	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R227	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C712 C716	NCB31HK-103X QETN1HM-106Z	C CAPACITOR E CAPACITOR	0.01uF 50V K 10uF 50V M	R231 R237	NRSA63J-182X NRSA63J-392X	MG RESISTOR MG RESISTOR	1.8kΩ 1/16W J 3.9kΩ 1/16W J
C728	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R238	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C807 C813	QETN1AM-477Z NCB31HK-102X	E CAPACITOR C CAPACITOR	470uF 10V M 1000pF 50V K	R241 R243	NRSA63J-332X NRSA63J-152X	MG RESISTOR MG RESISTOR	3.3kΩ 1/16W J 1.5kΩ 1/16W J
C815	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R281	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
C851 C852	QETN1EM-107Z QETN1CM-107Z	E CAPACITOR E CAPACITOR	100uF 25V M 100uF 16V M	R282 R283	NRSA63J-392X NRSA63J-681X	MG RESISTOR MG RESISTOR	3.9kΩ 1/16W J 680Ω 1/16W J
C853	QETN1CM-227Z	E CAPACITOR	220uF 16V M	R286	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C854 C856	QETN1CM-227Z QEHR1CM-227Z	E CAPACITOR E CAPACITOR	220uF 16V M 220uF 16V M	R287 R288	NRSA63J-101X NRSA02J-471X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 470Ω 1/10W J
C857	QETN1CM-477Z	E CAPACITOR	470uF 16V M	R289	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J
∆ C901 ∆ C902	QFZ9072-104 QFZ9072-473	MM CAPACITOR MM CAPACITOR	0.1uF AC250V K 0.047uF AC250V K	R290 R292	NRSA02J-561X NRSA63J-124X	MG RESISTOR MG RESISTOR	560Ω 1/10W J 120kΩ 1/16W J
 ∆C903	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K	R293	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
∆ C904 ∆ C905	QCZ9054-102 QCZ9054-102	C CAPACITOR C CAPACITOR	1000pF AC250V Z 1000pF AC250V Z	R301 R302	NRSA63J-222X NRSA63J-222X	MG RESISTOR MG RESISTOR	2.2kΩ 1/16W J 2.2kΩ 1/16W J
∆ C906	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	R303	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C907 ∆ C908	QEZ0644-567 QCZ9054-102	E CAPACITOR C CAPACITOR	560uF 200V K 1000pF AC250V Z	R304 R305	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J
C912	QCZ0340-222	C CAPACITOR	2200pF 2kV K	R306	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C913 C914	QFLC1HJ-471Z QETN1HM-107Z	M CAPACITOR E CAPACITOR	470pF 50V J 100uF 50V M	R318 R319	NRSA63J-472X NRSA63J-102X	MG RESISTOR MG RESISTOR	4.7kΩ 1/16W J 1kΩ 1/16W J
C916	NDC31HJ-331X	C CAPACITOR	330pF 50V J	R352	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C917 C918	NCB31HK-182X NCB21HK-104X	C CAPACITOR C CAPACITOR	1800pF 50V K 0.1uF 50V K	R354 R355	NRSA63J-0R0X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 0Ω 1/16W J
C919	QFP32GJ-103	PP CAPACITOR	0.01uF 400V J	R356	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
C931	QEZ0203-227	E CAPACITOR	220uF 160V M	R358	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J

ΔRef No.	Part No.	Part Name	Description Local	ΔRef No.	Part No.	Part Name	Description Local
R359 R360	NRSA63J-103X NCB31HK-103X	MG RESISTOR C CAPACITOR	10kΩ 1/16W J 0.01uF 50V K	R657 R700	NRSA63J-101X NRSA63J-102X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 1kΩ 1/16W J
R421	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	R701	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R423 R424	NRSA63J-393X NRSA63J-393X	MG RESISTOR MG RESISTOR	39kΩ 1/16W J 39kΩ 1/16W J	R702 R704	NRSA63J-102X NRSA63J-472X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 4.7kΩ 1/16W J
R426	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	R705	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R427 R429	QRT029J-1R2 NRSA63J-272X	MF RESISTOR MG RESISTOR	1.2Ω 2W J 2.7kΩ 1/16W J	R706 R707	NRSA63J-472X NRSA63J-103X	MG RESISTOR MG RESISTOR	4.7kΩ 1/16W J 10kΩ 1/16W J
R430	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R708	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R431 R432	NRSA63J-152X NRSA63J-101X	MG RESISTOR MG RESISTOR	1.5kΩ 1/16W J 100Ω 1/16W J	R709 R715	NRSA63J-101X NRSA63J-103X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 10kΩ 1/16W J
R433	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	R718	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R434 R435	QRL029J-181 QRE121J-102Y	OMF RESISTOR C RESISTOR	180Ω 2W J 1kΩ 1/2W J	R721 R728	NRSA63J-102X NRSA63J-102X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 1kΩ 1/16W J
R441	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R729	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R447 R449	NRSA63J-104X NRSA63J-822X	MG RESISTOR MG RESISTOR	100kΩ 1/16W J 8.2kΩ 1/16W J	R731 R732	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J
R453	QRE121J-102Y	C RESISTOR	1kΩ 1/2W J	R733	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R501 R502	NRSA63J-0R0X NRSA63J-271X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 270Ω 1/16W J	R734 R739	NRSA63J-472X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	4.7kΩ 1/16W J 0Ω 1/16W J
R503 R504	QRE121J-103Y	C RESISTOR OMF RESISTOR	10kΩ 1/2W J	R740	NRSA63J-103X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J
R505	QRL039J-152 QRL039J-182	OMF RESISTOR	1.5kΩ 3W J 1.8kΩ 3W J	R764 R765	NRSA63J-221X NRSA63J-221X	MG RESISTOR	220Ω 1/16W J 220Ω 1/16W J
R506 R508	NRSA63J-0R0X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 0Ω 1/16W J	R766 R767	NRSA63J-221X NRSA63J-221X	MG RESISTOR MG RESISTOR	220Ω 1/16W J 220Ω 1/16W J
R509	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R769	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R511 R512	QRE121J-220Y QRE121J-681Y	C RESISTOR C RESISTOR	22Ω 1/2W J 680Ω 1/2W J	R772 R811	NRSA63J-103X NRSA63J-473X	MG RESISTOR	10kΩ 1/16W J 47kΩ 1/16W J
R513	QRL039J-273	OMF RESISTOR	27kΩ 3W J	R812	NRSA63J-102X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J
R515 R516	NRSA63J-221X QRZ0221-2R0	MG RESISTOR OMF RESISTOR	220Ω 1/16W J 2Ω 7W K	R816 R821	NRSA63J-124X NRSA63J-184X	MG RESISTOR MG RESISTOR	120kΩ 1/16W J 180kΩ 1/16W J
R524	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	R822	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R526 R527	QRE121J-272Y QRE121J-124Y	C RESISTOR C RESISTOR	2.7kΩ 1/2W J 120kΩ 1/2W J	R827 R857	NRSA63J-102X QRL029J-820	MG RESISTOR OMF RESISTOR	1kΩ 1/16W J 82Ω 2W J
R528	QRE121J-154Y	C RESISTOR	150kΩ 1/2W J	R901	QRF074K-1R2	UNF WW RESISTOR	1.2Ω 7W K
R529 ∆ R531	NRSA63J-331X QRJ146J-391X	MG RESISTOR UNF C RESISTOR	330Ω 1/16W J 390Ω 1/4W J	R909 R911	QRG01GJ-470 QRE121J-223Y	OMF RESISTOR C RESISTOR	47Ω 1W J 22kΩ 1/2W J
R532	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	R912	QRT029J-R18	MF RESISTOR	0.18Ω 2W J
R533 R534	NRSA63J-123X NRSA63J-123X	MG RESISTOR MG RESISTOR	12kΩ 1/16W J 12kΩ 1/16W J	R913 ∕ ∆R914	QRT029J-R15 QRK126J-681X	MF RESISTOR UNF C RESISTOR	0.15Ω 2W J 680Ω 1/2W J
⚠ R535 ⚠ R537	NRVA02D-222X NRZ0032-7151X	CMF RESISTOR CMF RESISTOR	2.2kΩ 1/10W D 7.15kΩ	ΔR915 ΔR917	QRK129J-6R8 QRK126J-332X	UNF C RESISTOR UNF C RESISTOR	6.8Ω 1/2W J 3.3kΩ 1/2W J
R538	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R918	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J
R541 R543	NRSA63J-103X QRE121J-122Y	MG RESISTOR C RESISTOR	10kΩ 1/16W J 1.2kΩ 1/2W J	R919 R924	QRE121J-684Y QRE121J-222Y	C RESISTOR C RESISTOR	680kΩ 1/2W J 2.2kΩ 1/2W J
R544	QRE121J-392Y	C RESISTOR	3.9kΩ 1/2W J	R930	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R545 R546	QRE121J-822Y NRSA63J-331X	C RESISTOR MG RESISTOR	8.2kΩ 1/2W J 330Ω 1/16W J	R939 R940	QRT039J-1R5 QRE121J-181Y	MF RESISTOR C RESISTOR	1.5Ω 3W J 180Ω 1/2W J
R547	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R941	QRL029J-183	OMF RESISTOR	18kΩ 2W J
R548 R553	QRE121J-152Y QRL039J-390	C RESISTOR OMF RESISTOR	1.5kΩ 1/2W J 39Ω 3W J	R950 R951	NRSA63J-0R0X NRSA63J-473X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 47kΩ 1/16W J
 ∆R554	QRK126J-150X	UNF C RESISTOR	15Ω 1/2W J	R952	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R555 R561	QRX029J-3R3 NRSA63J-103X	MF RESISTOR MG RESISTOR	3.3Ω 2W J 10kΩ 1/16W J	R953 R973	QRE121J-820Y QRE121J-272Y	C RESISTOR C RESISTOR	82Ω 1/2W J 2.7kΩ 1/2W J
R562 R601	NRSA63J-101X NRSA63J-750X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 75Ω 1/16W J	R975 R977	QRE121J-223Y QRE121J-473Y	C RESISTOR C RESISTOR	22kΩ 1/2W J 47kΩ 1/2W J
R602	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R978	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R603 R610	NRSA63J-750X NRSA63J-101X	MG RESISTOR MG RESISTOR	75Ω 1/16W J 100Ω 1/16W J	R979 R980	QRT029J-1R0 QRT029J-1R0	MF RESISTOR MF RESISTOR	1Ω 2W J 1Ω 2W J
R611	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	 ∆R998	QRZ9041-275	C RESISTOR	2.7MΩ 1/2W K
R612 R621	NRSA63J-101X NRSA63J-332X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 3.3kΩ 1/16W J	R999	QRE121J-121Y	C RESISTOR	120Ω 1/2W J
R622 R623	NRSA63J-822X NRSA63J-332X	MG RESISTOR MG RESISTOR	8.2kΩ 1/16W J 3.3kΩ 1/16W J	L001	QQL244K-560Z QQLZ014-R22	COIL COIL	56uH K
R624	NRSA63J-332X NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	L101 L113	QQL2014-R22 QQL244K-4R7Z	COIL	0.22uH 100mA L 4.7uH K
R626 R627	NRSA63J-223X NRSA63J-223X	MG RESISTOR MG RESISTOR	22kΩ 1/16W J 22kΩ 1/16W J	L131 L161	QQL244K-150Z QQL244K-220Z	COIL COIL	15uH K 22uH K
R628	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J	L232	QQL244K-560Z	COIL	56uH K
R629 R631	QRK126J-102X NRSA63J-333X	UNF C RESISTOR MG RESISTOR	1kΩ 1/2W J 33kΩ 1/16W J	L241 L391	QQL244K-220Z QQL244K-220Z	COIL COIL	22uH K 22uH K
R632	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	L511	QQR1165-001	LINEARITY COIL	
R633 R637	NRSA63J-562X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	5.6kΩ 1/16W J 0Ω 1/16W J	L512 L521	QQLZ036-821 QQR1333-001	COIL CHOKE COIL	820uH K
R638	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L701	QQL244K-220Z	COIL	22uH K
R639 R640	NRSA63J-0R0X NRSA63J-103X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 10kΩ 1/16W J	L702 L703	QQL244K-220Z QQL244K-220Z	COIL COIL	22uH K 22uH K
R641	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L704	QQL244K-220Z	COIL	22uH K
R644 R645	QRJ146J-2R2X QRJ146J-2R2X	UNF C RESISTOR UNF C RESISTOR	2.2Ω 1/4W J 2.2Ω 1/4W J	L705 L931	QQL244K-220Z QQL26AK-470Z	COIL COIL	22uH K 47uH K
R647 R648	NRSA63J-102X NRSA63J-562X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 5.6kΩ 1/16W J	L933 L937	QQL26AK-470Z QQL26AK-470Z	COIL COIL	47uH K 47uH K
R649	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L940	QQR0582-001Z	FERRITE BEADS	47 u⊓ N
R650 R651	NRSA63J-101X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 0Ω 1/16W J	T111 T501	QQR0907-001 CE42034-002	IFT HOR DRIVE TRANS	
R652	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	 ∆T921	QQS0225-001	SW TRANSF	
R653 R656	NRSA63J-0R0X NRSA63J-101X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 100Ω 1/16W J	∆ T951	QQT0372-001	POWER TRANSF	
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ΔRef No.	Part No.	Part Name	Description Local	ΔRef No.	Part No.	Part Name	Description Local
CF001 CF131 CF161 CN001 CN004 CN005 CN007 CN00C CN0B1	QAX0349-001 QAX0639-001Z QAX0642-001Z QGB1505J1-35 QGA2501C5-07Z QGA2501C5-06Z QGA2501C5-06Z QGA2501F1-06 QGA2501C5-03Z	C TRAP C TRAP C FILTER CONNECTOR CONNECTOR CONNECTOR CONNECTOR CONNECTOR CONNECTOR CONNECTOR CONNECTOR	47.25MHz 4.500MHz 4.500MHz B-B (1-35) W-B (1-7) W-B (1-6) W-B (1-6) W-B (1-6) W-B (1-3)	D3311 D3312 D3313 D3314 D3331 D3351 D3352 D3353 D3354	MTZJ3.6B-T2 1SS133-T2 MTZJ4.3A-T2 1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2	Z DIODE DIODE Z DIODE	
CN0E1 CN0E3 CN0HV CN0S1 CN0SS ACP932 ACP933 ACP936 AF901 AF905 FC901 FC902 AFR525 AFR527 HS001 HS002 HS003 HS004	CE41507-001P CE41507-001P QGZ5004C1-06 QGA2501C5-05Z QGA2501C5-04Z ICP-N70-T ICP-N70-T ICP-N70-T QMF51N1-5R0-J5 QMF2049-5R0Z-E CEMG002-001Z CEMG002-001Z QRZ9017-4R7 QRZ9011-470 LC32313-001A LC31948-001A LC31948-001A CEHE015-001WU CM42862-00G-H	LV CONNECTOR LV CONNECTOR CONNECTOR CONNECTOR CONNECTOR IC PROTECTOR IC PROTECTOR IC PROTECTOR IC PROTECTOR FUSE FUSE FUSE FUSE CLIP FUSI RESISTOR FUSI RESISTOR HEAT SINK/AL-F/	(1-6) W-B (1-5) W-B (1-4) 2.5A 2.5A 2.5A 5A AC125V 5A 125V 4.7Ω 1/4W J 47Ω 1/2W J	C3101 C3109 C3110 C3111 C3113 C3114 C3115 C3117 C3118 C3120 C3121 C3122 C3125 C3125 C3151 C3302 C3301 C3302	QETN1HM-106Z QETN1CM-107Z NDC31HJ-221X NDC31HJ-221X QETN2CM-106Z QCB32HK-472Z QCB32HK-472Z QETN0JM-107Z QETN1AM-107Z QETN1AM-37Z QCS32HJ-151Z NDC31HJ-5R0X NCB21EK-104X NCB21EK-104X NCB21EK-104X NDC31HJ-561X NDC31HJ-561X	E CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR	10uF 50V M 100uF 16V M 220pF 50V J 220pF 50V J 10uF 160V M 4700pF 500V K 4700pF 500V K 10uF 160V M 100uF 6.3V M 100uF 10V M 330uF 10V M 150pF 500V J 5pF 50V J 0Ω 1/16W J 0.1uF 25V K 0.1uF 25V K 560pF 50V J
HS007 J601 J810 K401 K912 K916 K917	CEHT11B-002QS QNN0349-002 QNS0001-001 QQR0621-002Z QQR0582-001Z QQR0582-001Z QQR0582-001Z	HEAT SINK PIN JACK 3.5 JACK FERRITE BEADS FERRITE BEADS FERRITE BEADS FERRITE BEADS	COMP IN AV COMPLINK III	C3303 C3321 C3322 C3323 C3351 C3363	NDC31HJ-561X QETN2EM-105Z QETN2EM-105Z QETN1CM-107Z QETN1CM-107Z QCZ0324-102	C CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR	560pF 50V J 1uF 250V M 1uF 250V M 100uF 16V M 100uF 16V M 1000pF 3kV P
K918 K920 K931 K932 K933 K935 K937 LC601 LC602 LC603 ALF901 ALF902	QQR0582-001Z QQR0582-001Z QQR0582-001Z QQR0582-001Z QQR0582-001Z QQR0582-001Z QQR0582-001Z QQR1199-001 QQR1199-001 QQR1199-001 QQR1159-001 QQR1159-001 QQR0527-004	FERRITE BEADS EMI FILTER EMI FILTER LINE FILTER LINE FILTER LINE FILTER		R3108 R3111 R3114 R3115 R3116 R3117 R3119 AR3122 R3123 R3124 R3125 R3126	NRSA63J-0ROX NRSA63J-332X QRJ146J-100X NRSA63J-470X NRSA63J-470X NRSA63J-102X NRSA63J-121X QRZ9021-561 NRSA63J-122X NRSA63J-390X NRSA63J-566X NRSA63J-566X	MG RESISTOR MG RESISTOR UNF C RESISTOR MG RESISTOR	0Ω 1/16W J 3.3KΩ 1/16W J 10Ω 1/4W J 47Ω 1/16W J 47Ω 1/16W J 1KΩ 1/16W J 120Ω 1/16W J 560Ω 1W J 1.2KΩ 1/16W J 39Ω 1/16W J 5.6Ω 1/16W J 5.6Ω 1/16W J
⚠RY951 S421 SF101 ⚠TH901 ⚠TU001 ⚠VA901 X701	QSK0085-001 QSL4A13-C02 QAX0723-001 QAD0132-3R0 QAU0274-001 ERZV10V621CS QAX0717-001Z	RELAY LEVER SWITCH SAW FILTER P THERMISTOR TUNER ZNR CRYSTAL	V.CENTER 3Ω 8.000MHz	R3127 R3128 R3129 R3130 R3131 R3132 R3134 R3136	NRSA63J-563X NRSA63J-122X NRSA63J-5R6X NRSA63J-390X NRSA63J-121X QRL029J-391 NRSA63J-222X NRSA63J-333X	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR OMF RESISTOR MG RESISTOR MG RESISTOR	56kΩ 1/16W J 1.2kΩ 1/16W J 5.6Ω 1/16W J 39Ω 1/16W J 120Ω 1/16W J 390Ω 2W J 2.2kΩ 1/16W J 33kΩ 1/16W J
CDT SC	OCKET DW D	OARD ASS'Y (S	C 1-2502A-M2\	R3139 R3142 R3143	NRSA63J-681X NRSA63J-124X NRSA63J-681X	MG RESISTOR MG RESISTOR MG RESISTOR	680Ω 1/16W J 120kΩ 1/16W J 680Ω 1/16W J
ÆRef No.	Part No.	Part Name	Description Local	R3145 R3146 R3151	NRSA63J-5R6X NRSA63J-5R6X NRSA63J-473X	MG RESISTOR MG RESISTOR MG RESISTOR	5.6Ω 1/16W J 5.6Ω 1/16W J 47kΩ 1/16W J
Q3103 Q3105 Q3106 Q3107 Q3108 Q3109 Q3151 Q3152 Q3301 Q3302 Q3303 Q3304 Q3305 Q3306 Q3351	2SA933AS/QR/-T 2SC1740S/QR/-T 2SA933AS/QR/-T 2SA1964/DE/ 2SC5248/DE/ 2SC1740S/QR/-T 2SC1740S/QR/-T 2SC1740S/QR/-T 2SC5083/L-P/-T 2SC5083/L-P/-T 2SC5083/L-P/-T 2SC5147/CDE/F43 2SC5147/CDE/F43 2SC5147/CDE/F43 2SA933AS/QR/-T	TRANSISTOR TRANSISTOR TRANSISTOR POW TRANSISTOR POW TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR POW TRANSISTOR POW TRANSISTOR POW TRANSISTOR POW TRANSISTOR TRANSISTOR		R3152 R3153 R3154 R3301 R3302 R3303 R3304 R3305 R3306 R3307 R3308 R3309 R3311 R3311	NRSA63J-683X NRSA63J-683X NRSA63J-473X NRSA63J-151X NRSA63J-151X NRSA63J-121X NRSA63J-121X NRSA63J-121X NRSA63J-121X NRSA63J-470X NRSA63J-470X NRSA63J-470X QRG029J-153 QRG029J-153 QRG029J-153 QRG029J-183 QRG029J-183	MG RESISTOR OMF RESISTOR OMF RESISTOR OMF RESISTOR OMF RESISTOR OMF RESISTOR OMF RESISTOR	68KΩ 1/16W J 68KΩ 1/16W J 47KΩ 1/16W J 150Ω 1/16W J 150Ω 1/16W J 120Ω 1/16W J 120Ω 1/16W J 120Ω 1/16W J 47Ω 1/16W J 47Ω 1/16W J 47Ω 1/16W J 47Ω 1/16W J 15kΩ 2W J 15kΩ 2W J 18kΩ 2W J 18kΩ 2W J 18kΩ 2W J
D3101 D3105 D3106 D3301 D3302 D3303 D3304 D3305 D3306	1SS133-T2 RH1S-T3 RH1S-T3 1SS133-T2 1SS133-T2 1SS133-T2 1SS82-T2 1SS82-T2 1SS82-T2	DIODE SI DIODE SI DIODE DIODE DIODE DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE		R3315 R3316 R3317 R3318 R3325 R3326 R3327 R3331 R3332	QRG029J-183 NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X QRC121K-102Z QRC121K-102Z QRC121K-102Z NRSA63J-272X NRSA63J-272X	OMF RESISTOR OMF RESISTOR MG RESISTOR MG RESISTOR COMP RESISTOR COMP RESISTOR COMP RESISTOR COMP RESISTOR MG RESISTOR MG RESISTOR	18kΩ 2W J 18kΩ 2W J 0Ω 1/16W J 0Ω 1/16W J 1kΩ 1/2W K 1kΩ 1/2W K 1kΩ 1/2W K 2.7kΩ 1/16W J 2.7kΩ 1/16W J

ΔRef No.	Part No.	Part Name	Description Local	⚠Ref No.	Part No.	Part Name	Description Local
R3333 R3334 R3335 R3336 R3337 R3338 R3351 R3352 R3353 R3354 R3363	NRSA63J-272X NRSA63J-152X NRSA63J-271X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X QRC121K-474Z	MG RESISTOR COMP RESISTOR	2.7kΩ 1/16W J 1.5kΩ 1/16W J 270Ω 1/16W J 0Ω 1/16W J 0Ω 1/16W J 0Ω 1/16W J 1kΩ 1/16W J	C5010 C5011 C5012 C5013 C5014 C5015 C5016 C5017 C5018 C5019 C5020	QETN1HM-475Z QENC1HM-475Z NCB31HK-272X NCB31HK-473X QENC1HM-475Z QBTC1CK-106Z QETN1HM-105Z QENC1HM-105Z QENC1HM-105Z NCB31HK-223X NCB31HK-472X	E CAPACITOR BP E CAPACITOR C CAPACITOR C CAPACITOR BP E CAPACITOR TA E CAPACITOR E CAPACITOR BP E CAPACITOR BP E CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR	4.7uF 50V M 4.7uF 50V M 2700pF 50V K 0.047uF 50V K 4.7uF 50V M 10uF 16V K 1uF 50V M 1uF 50V M 1uF 50V M 0.022uF 50V K 4700pF 50V K
L3301 L3302 L3303 L3304 L3305 L3306	QQL244K-180Z QQL244K-180Z QQL244K-180Z QQL244K-470Z QQL244K-470Z QQL244K-470Z	COIL COIL COIL COIL COIL COIL	18uH K 18uH K 18uH K 47uH K 47uH K 47uH K	C5021 C5022 C5023 C5024 C5025 C5026 C5031	QENC1HM-475Z NCB31EK-104X NCB31HK-472X QENC1HM-475Z NCB31EK-104X QBTC1CK-335Z QETN1HM-106Z	BP E CAPACITOR C CAPACITOR C CAPACITOR BP E CAPACITOR C CAPACITOR TA E CAPACITOR E CAPACITOR	4.7uF 50V M 0.1uF 25V K 4700pF 50V K 4.7uF 50V M 0.1uF 25V K 3.3uF 16V K 10uF 50V M
CN3004 CN3005 CN3005 CN300E2 CN30E4 HS3010 HS3011 HS30112 HS3013 HS3014 K3102 K3103 K3104 K3105 ASK3001	QJB003-073226 WJA0029-001A QGA2501C5-03Z QUB130-38A6AS QUB130-38A6AS CEHP00N-001QS CEHP00N-001QS CEHP00N-001QS CEHP00N-001QS CEHP00N-001QS CE41492-001Z CE41492-001Z CE41492-001Z CE41492-001Z CE41492-001Z QNZ0464-001	SIN ID C-B WIRE E-S ID WIRE CONNECTOR SIN TWIST WIRE SIN TWIST WIRE HEAT SINK HEAT SINK HEAT SINK HEAT SINK CHOKE COIL CHOKE COIL CHOKE COIL CHOKE COIL CHOKE COIL CRT SOCKET	W-B (1-3)	C5151 C5152 C5153 C5154 C5155 C5156 C5157 C5158 C5159 C5160 C5203 C5204 C5204 C5205 C5206 C5211 C5212 C5212	QENC1HM-105Z QENC1HM-105Z NCB31HK-332X NCB31HK-332X NCB31EK-333X NCB31EK-333X QETN1HM-106Z QETN1HM-106Z QETN1EM-476Z NCB31EK-104X QETN1EM-476Z NCB31HK-103X QETN1EM-476Z NCB31HK-103X QENC1CM-106Z NDC31HJ-101X NDC31HJ-101X NDC31HJ-101X	BP E CAPACITOR BP E CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR	1uF 50V M 1uF 50V M 3300pF 50V K 3300pF 50V K 0.033uF 25V K 0.033uF 25V K 10uF 50V M 10uF 50V M 47uF 25V M 0.1uF 25V K 47uF 25V M 0.01uF 50V K 47uF 25V M 0.01uF 50V K 10uF 16V M 10uF 16V M 10uF 50V J 47pF 50V J 180pF 50V J
AV SEL ⚠Ref No.	ECTOR P.W. E	BOARD ASS'Y (Part Name	(SGJ-5502A-M2) Description Local	C5215 C5226 C5231 C5232 C5233	QETN1HM-474Z NCB31HK-103X QETN1CM-107Z NCB31HK-103X NCB31HK-103X	E CAPACITOR C CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR	0.47úF 50V M 0.01uF 50V K 100uF 16V M 0.01uF 50V K 0.01uF 50V K
IC5001 IC5151 IC5201 IC5501	CXA2134Q-X NJM2150AD TC90A49AP TA1218AN	IC IC IC IC		C5234 C5235 C5236 C5237 C5238 C5239	NCB31HK-103X NCB31HK-103X QETN1CM-107Z NCB31HK-103X QETN1CM-107Z NCB31HK-103X	C CAPACITOR C CAPACITOR E CAPACITOR C CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K 100uF 16V M 0.01uF 50V K 100uF 16V M 0.01uF 50V K
Q5001 Q5002 Q5211 Q5212 Q5251 Q5252 Q5253 Q5261 Q5262 Q5263 Q5384 Q5385 Q5386 Q5387 Q5501	2SB709A/QR/-X 2SB709A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SB709A/QR/-X 2SB709A/QR/-X 2SB709A/QR/-X 2SB709A/QR/-X 2SB709A/QR/-X DTC323TK-X DTC323TK-X DTC323TK-X DTC323TK-X DTC323TK-X 2SB709A/QR/-X	TRANSISTOR DIGI TRANSISTOR TRANSISTOR TRANSISTOR		C5249 C5240 C5241 C5242 C5243 C5246 C5247 C5251 C5252 C5253 C5255 C5263 C5391 C5392 C5501 C5502	NCB31HK-103X NCB31HK-103X NCB31HK-103X QETN1CM-107Z NCB31HK-103X NDC31HJ-181X NCB31HK-103X QETN1EM-476Z NCB31HK-103X NDC31HJ-820X NDC31HJ-470X NDC31HJ-470X QETN1HM-474Z QETN1HM-474Z QETN1HM-225Z QETN1HM-106Z	C CAPACITOR C CAPACITOR E CAPACITOR C CAPACITOR E CAPACITOR	0.01uF 50V K 0.01uF 50V K 0.01uF 50V K 100uF 16V M 0.01uF 50V K 180pF 50V J 0.01uF 50V K 47uF 25V M 0.01uF 50V K 82pF 50V J 47pF 50V J 47pF 50V J 0.47uF 50V M 0.47uF 50V M 2.2uF 50V M 10uF 50V M
D5391 D5392 D5501 D5502 D5503 D5504 D5505 D5507 D5508 D5509 D5510	MTZJ9.1C-T2 MTZJ9.1C-T2 MTZJ9.1C-T2 MTZJ9.1C-T2 MTZJ9.1C-T2 MTZJ9.1C-T2 MTZJ9.1C-T2 MTZJ9.1C-T2 MTZJ9.1C-T2 MTZJ9.1C-T2 MTZJ9.1C-T2 MTZJ9.1C-T2	Z DIODE		C5504 C5506 C5508 C5509 C5520 C5521 C5531 C5532 C5533 C5534	QENC1CM-106Z QETN1HM-106Z QETN1HM-106Z NCB31HK-103X QETN1HM-225Z QETN1HM-225Z NCB31HK-103X QETN1EM-476Z NCB31HK-103X QENC1CM-106Z NRSA63J-105X	BP E CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR DE CAPACITOR C CAPACITOR MG RESISTOR	10uF 16V M 10uF 50V M 10uF 50V M 0.01uF 50V K 2.2uF 50V M 2.2uF 50V M 0.01uF 50V K 47uF 25V M 0.01uF 50V K 10uF 16V M
D5512 D5513 C5001 C5002 C5003 C5004 C5005 C5006 C5007 C5008 C5009	MTZJ9.1C-T2 MTZJ9.1C-T2 QENC1HM-475Z NCB31HK-562X NCB31HK-123X QETN1HM-105Z QETN1HM-475Z QETN1HM-475Z QETN1HM-475Z QETN1CM-107Z QENC1HM-475Z	Z DIODE Z DIODE BP E CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR DE CAPACITOR	4.7uF 50V M 5600pF 50V K 0.012uF 50V K 1uF 50V M 4.7uF 50V M 10uF 50V M 4.7uF 50V M 100uF 16V M 4.7uF 50V M	R5002 R5003 R5004 R5005 R5007 R5008 R5010 R5011 R5012 R5031 R5032 R5033	NRSA63J-104X NRSA63J-682X NRSA63J-623X NRSA63J-32X NRSA63J-302X NRSA63J-302X NRSA63J-392X NRSA63J-221X NRSA63J-221X NRSA63J-101X NRSA63J-101X NRSA63J-272X	MG RESISTOR	100kΩ 1/16W J 6.8kΩ 1/16W J 6.8kΩ 1/16W J 62kΩ 1/16W F 3.3kΩ 1/16W J 3kΩ 1/16W J 3.9kΩ 1/16W J 220Ω 1/16W J 220Ω 1/16W J 100Ω 1/16W J 2.7kΩ 1/16W J

ΔRef No.	Part No.	Part Name	Description Local
R5034	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R5151	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R5152	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R5153	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R5154 R5155 R5157 R5159 R5210	NRSA63J-223X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-103X NRSA63J-0R0X	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR	22kΩ 1/16W J
R5211	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R5212	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R5213	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R5214	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R5215	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R5216	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R5217	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R5240	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R5241	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R5242	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R5243	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J 470 Ω 1/16W J 1k Ω 1/16W J 1k Ω 1/16W J 1k Ω 1/16W J 680 Ω 1/16W J
R5251	NRSA63J-471X	MG RESISTOR	
R5253	NRSA63J-102X	MG RESISTOR	
R5254	NRSA63J-102X	MG RESISTOR	
R5255	NRSA63J-681X	MG RESISTOR	
R5258	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R5259	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R5261	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R5262	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R5263	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R5265	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J 680Ω 1/16W J 1kΩ 1/16W J 22kΩ 1/16W J 22kΩ 1/16W J 22kΩ 1/16W J
R5269	NRSA63J-681X	MG RESISTOR	
R5270	NRSA63J-102X	MG RESISTOR	
R5384	NRSA63J-223X	MG RESISTOR	
R5385	NRSA63J-223X	MG RESISTOR	
R5386	NRSA63J-223X	MG RESISTOR	$22k\Omega$ 1/16W J $22k\Omega$ 1/16W J 220Ω 1/16W J 220Ω 1/16W J 220Ω 1/16W J $82k\Omega$ 1/16W J
R5387	NRSA63J-223X	MG RESISTOR	
R5391	NRSA63J-221X	MG RESISTOR	
R5392	NRSA63J-221X	MG RESISTOR	
R5393	NRSA63J-823X	MG RESISTOR	
R5394	NRSA63J-823X	MG RESISTOR	$\begin{array}{c} 82 k\Omega \ 1/16W \ J \\ 220 \Omega \ 1/16W \ J \\ \end{array}$
R5395	NRSA63J-221X	MG RESISTOR	
R5396	NRSA63J-221X	MG RESISTOR	
R5501	NRSA63J-221X	MG RESISTOR	
R5502	NRSA63J-221X	MG RESISTOR	
R5503	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J 220Ω 1/16W J 220Ω 1/16W J 220Ω 1/16W J $10k\Omega$ 1/16W J $15k\Omega$ 1/16W J
R5504	NRSA63J-221X	MG RESISTOR	
R5505	NRSA63J-221X	MG RESISTOR	
R5507	NRSA63J-103X	MG RESISTOR	
R5508	NRSA63J-153X	MG RESISTOR	
R5509	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R5510	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R5511	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R5512	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R5513	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R5514	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R5515	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R5516	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R5517	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R5519	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R5520	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R5521	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R5522	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R5523	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R5524	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R5526	NRSA63J-103X	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR	10kΩ 1/16W J
R5527	NRSA63J-750X		75Ω 1/16W J
R5532	NRSA63J-224X		220kΩ 1/16W J
R5533	NRSA63J-224X		220kΩ 1/16W J
R5541	NRSA63J-221X		220Ω 1/16W J
R5542	NRSA63J-221X		220Ω 1/16W J
R5542 R5543 R5544 R5545 R5546 R5558 R5559 R5560	NRSA63J-221X NRSA63J-221X NRSA63J-331X NRSA63J-331X NRSA63J-103X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X	MG RESISTOR	220Ω 1/16W J 220Ω 1/16W J 330Ω 1/16W J 330Ω 1/16W J 10kΩ 1/16W J 0Ω 1/16W J 0Ω 1/16W J
R5561	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R5564	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R5565	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L5202 L5211 L5241 L5243 L5244 L5261	QQL244K-150Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-4R7Z QQL244K-150Z	COIL COIL COIL COIL COIL	15uH K 4.7uH K 4.7uH K 4.7uH K 4.7uH K 15uH K

∠Net No.	Part No.	Part Name	Description Loc
CN5001	QGB1505K1-35	CONNECTOR	B-B (1-35)
CN5006	QGA2501C5-05Z	CONNECTOR	W-B (1-5)
J5501	QNZ0454-001	AV JACK	S/V/L/R IN
J5502	QNN0349-001	PIN JACK	V/L/R IN
J5503	QNN0348-001	PIN JACK	L/R OUT

FRONT CONTROL P.W. BOARD ASS'Y (SGJ-6501A-M2)

⚠Ref No.	Part No.	Part Name	Description Local
C6401	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C6402	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C6403	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
R6401	NRSA63J-750X	MG RESISTOR	$75\Omega\ 1/16W\ J$ $220k\Omega\ 1/16W\ J$ $220k\Omega\ 1/16W\ J$ $1k\Omega\ 1/16W\ J$ $1k\Omega\ 1/16W\ J$ $1.5k\Omega\ 1/16W\ J$ $2.7k\Omega\ 1/16W\ J$ $5.6k\Omega\ 1/16W\ J$
R6402	NRSA63J-224X	MG RESISTOR	
R6403	NRSA63J-224X	MG RESISTOR	
R6702	NRSA63J-102X	MG RESISTOR	
R6703	NRSA63J-102X	MG RESISTOR	
R6704	NRSA63J-152X	MG RESISTOR	
R6705	NRSA63J-272X	MG RESISTOR	
R6706	NRSA63J-562X	MG RESISTOR	
CN6006 CN6007 CN600B J6401 J6402 J6403 LC6401 S6702 S6703 S6704 S6705 S6706	QJB003-054010 QJB003-064426 QJB003-050806 QNN0281-003 QNN0281-002 QNN0282-001 QQR1199-001 QSW0619-003Z QSW0619-003Z QSW0619-003Z QSW0619-003Z QSW0619-003Z	SIN ID C-B WIRE SIN ID C-B WIRE SIN ID C-B WIRE PIN JACK PIN JACK PIN JACK EMI FILTER TACT SWITCH	V IN L IN R IN MENU CH- CH+ VOL- VOL+

LED & POWER SW P.W. BOARD ASS'Y (SGJ-7502A-M2)

ÆRef No.	Part No.	Part Name	Description Local
IC7701	GP1UM281QK	IR DETECT UNIT	38kHz
Q7702	UN2112-X	TRANSISTOR	
D7701	LG22440	LED	POWER
C7701	QETN1EM-476Z	E CAPACITOR	47uF 25V M
R7708 R7709 R7710 R7711	NRSA63J-152X NRSA63J-561X NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR	$1.5 k\Omega$ $1/16 W$ J 560Ω $1/16 W$ J 100Ω $1/16 W$ J 100Ω $1/16 W$ J
CN700B S7701	QGA2501C5-05Z QSW0847-001	CONNECTOR TACT SWITCH	W-B (1-5) POWER

PRINTED WIRING BOARD PARTS LIST [AV-27FA44 /AZA]

MAIN F	.W. BOARD AS	S'Y (SGJ-1509A-M2)		⚠Ref No.	Part No.	Part Name	Description Local
ÆRef No.	Part No.	Part Name	Description Local	D723	MTZJ5.6B-T2	Z DIODE	
IC101 IC201 IC421 IC502 IC621 IC702 IC703 IC704 IC851 IC852 IC853 AIC911	M52342SP TM8812CSDNG4RR3 LA7841 CXA1875AM-X AN5277 AT24C04W-32FA44 S-80840CNY-T AN78L05-T AN7812F AN7809F AN7809F STR-F6626/F3 SE135N	IC B IC(MCU) IC	(SERVICE)	D810 \(\text{\Lambda}\) D901 D910 D911 D912 D913 D914 D915 D917 D918 D920 D931 D933 D935	MTZJ5.6B-T2 GSIB460-S1 MA700A-T2 RGP10J-5025-T3 RGP10J-5025-T3 1SS133-T2 SARS01-T2 MTZJ30A-T2 MTZJ5.1C-T2 1SS133-T2 RU30A-F1 RU3YX-LFC4 RU3YX-LFC4	Z DIODE BRIDGE DIODE SB DIODE SI DIODE SI DIODE SI DIODE DIODE SI DIODE Z DIODE Z DIODE Z DIODE SI DIODE	
Q001 Q101 Q131 Q161 Q211 Q232 Q233 Q352 Q353 Q431 Q501	UN2212-X 2SC5083/L-P/-T 2SB709A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X UN2212-X 2SC4212/Z1/	DIGI TRANSISTOR DIGI TRANSISTOR TRANSISTOR		D937 D941 D945 D952 D953 D954 D955 D956 D957 D972	RU3YX-LFC4 MTZJ33A-T2 MTZJ9.1B-T2 1SS133-T2 1SS133-T2 1SR35-400A-T2 1SR35-400A-T2 1SR35-400A-T2 1SR35-400A-T2 1SR35-400A-T2 MTZJ15C-T2 1SS133-T2	SI DIODE Z DIODE Z DIODE DIODE DIODE SI DIODE DIODE DIODE	
∆ Q511 Q531	2SD2645-YD 2SC2785/JH/-T	TRANSISTOR SI TRANSISTOR	H OUT	△ PC921	TLP421F/D4-GR/	PHOTO COUPLER	
Q532 Q541 Q542 Q543 Q622 Q623 Q624 Q625 Q626 Q627 Q701 Q951 Q971	2SB709A/QR/-X 2SB709A/QR/-X 2SB709A/QR/-X 2SD1408/OY/-LB 2SD601A/QR/-X UN2212-X 2SB709A/QR/-X 2SB709A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD709A/QR/-X 2SD709A/QR/-X 2SD709A/QR/-X 2SD1383K/AB/-X 2SA1208/ST/Z1-T	TRANSISTOR TRANSISTOR TRANSISTOR POW TRANSISTOR TRANSISTOR DIGI TRANSISTOR		C001 C003 C004 C006 C101 C102 C104 C105 C106 C107 C113 C114 C116	QETN1HM-475Z QETN1HM-106Z QETN1CM-108Z QETN1EM-476Z NCB31HK-103X NCB31HK-103X NCB31HK-103X QETN1EM-476Z NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X	E CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR	4.7uF 50V M 10uF 50V M 100uF 16V M 47uF 25V M 0.01uF 50V K 0.01uF 50V K 0.01uF 50V K 0.01uF 50V K 47uF 25V M 0.01uF 50V K 0.01uF 50V K 0.01uF 50V K 0.01uF 50V K 0.01uF 50V K
D305 D306 D307 D308 D309 D310 D352 D353 D354 D421 D422 D432 D501 D502 D507 D521 D523 D525 D526 D527 D529 ♣D531 D602 D602 D603 D621 D602 D603 D631 D602 D630 D631 D632 D700 D701 D703 D704 D705 D706 D707 D708 D709	1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2 MTZJ9.1C-T2 1SS133-T2 MTZJ5.3A-T2 1N4003-T2 MTZJ75-T2 1SS133-T2 RH3G-F1 RU3AM-LFC4 RGP10J-5025-T3 RH1S-T3 RGP10J-5025-T3 1SS81-T5 1SS81-T5 1SS81-T5 1SR124-400A-T2 MTZJ9.1C-T2 MA4068N/Z1/-T2 1SS133-T2 1SR33-T2 1SR33-T2 1SR33-T2 1SS133-T2	DIODE DIODE DIODE DIODE DIODE DIODE DIODE DIODE DIODE Z DIODE SI DIODE Z DIODE Z DIODE		C117 C118 C119 C120 C124 C131 C163 C164 C165 C166 C202 C203 C211 C212 C221 C222 C223 C233 C237 C241 C242 C243 C284 C285 C286 C287 C288 C302 C352 C354 C391 C392 C422 C422 C425 C427 C428	QETN1EM-476Z NCB31HK-103X NDC31HJ-681X QETN1HM-474Z NCB31HK-103X QETN1HM-106Z NDC31HJ-470X NDC31HJ-470X NCB31HK-103X QETN1HM-105Z NCB31HK-103X QETN1HM-105Z NCB31HK-105Z NCB31HK-106Z QETN1HM-106Z QFVF1HJ-104Z NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X QETN1HM-225Z QETN1CM-107Z NCB31HK-103X QETN1HM-225Z QETN1CM-107Z NCB31HK-103X QETN1HM-225Z NCB31HK-103X QETN1HM-225Z NCB31HK-103X QETN1HM-225Z NCB31HK-103X QETN1HM-106Z QETN1CM-107Z NCB31HK-103X QETN1HM-106Z QETN1CM-107Z NCB31HK-103X QETN1HM-106Z QETN1CM-107Z NCB31HK-103X QETN1HM-107Z NCB31HK-103X QETN1HM-107Z NCB31HK-103X QETN1HM-107Z NCB31HK-103X QETN1CM-107Z NCB31HK-103X	E CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR BP E CAPACITOR C C C C C C C C C C C C C C C C C C C	47uF 25V M 0.01uF 50V K 680pF 50V J 0.47uF 50V M 0.01uF 50V K 0.01uF 50V K 10uF 50V M 47pF 50V J 47pF 50V J 47pF 50V J 0.01uF 50V K 10uF 50V K 10uF 50V M 1500pF 50V K 10uF 16V M 10pF 50V J 0.01uF 50V M 0.1uF 50V K 68pF 50V J 0.01uF 50V K 2.2uF 50V M 100uF 16V M 0.01uF 50V K 2.2uF 50V M 0.01uF 50V K 0.47uF 50V J 100uF 16V M 0.01uF 50V K 0.2uF 50V M 0.01uF 50V K 0.1uF 50V K 10uF 50V M 0.01uF 50V K 10uF 50V K

ÆRef No.	Part No.	Part Name	Description Local	ΔRef No.	Part No.	Part Name	Description Local
C431 C432	QFLC2AK-563Z QETN1EM-476Z	M CAPACITOR E CAPACITOR	0.056uF 100V K 47uF 25V M	C933 C934	QETN1CM-108Z NDC31HJ-221X	E CAPACITOR C CAPACITOR	1000uF 16V M 220pF 50V J
C433 C435	QETN1EM-476Z	E CAPACITOR	47uF 25V M	C935	QETN1VM-108Z	E CAPACITOR	1000uF 35V M
C435 C440	NCB21HK-183X QCS32HJ-100Z	C CAPACITOR C CAPACITOR	0.018uF 50V K 10pF 500V J	C937 C938	QCZ0340-102 QETN1CM-108Z	C CAPACITOR E CAPACITOR	1000pF 2kV K 1000uF 16V M
C501	QCB32HK-151Z	C CAPACITOR	150pF 500V K	C939	QCB32HK-152Z	C CAPACITOR	1500pF 500V K
C502 C503	QCB32HK-331Z QEHR2CM-105Z	C CAPACITOR E CAPACITOR	330pF 500V K 1uF 160V M	C941 C942	QCB32HK-102Z QEHR1HM-105Z	C CAPACITOR E CAPACITOR	1000pF 500V K 1uF 50V M
C504 C505	QEZ0203-107	E CAPACITOR	100uF 160V M	C943	QETN1CM-108Z	E CAPACITOR	1000uF 16V M
C505 C507	QENC2AM-225Z QEM61HK-475Z	BP E CAPACITOR E CAPACITOR	2.2uF 100V M 4.7uF 50V K	C951 C952	QETN1EM-477Z QETN1CM-227Z	E CAPACITOR E CAPACITOR	470uF 25V M 220uF 16V M
C508	QEM61HK-475Z	E CAPACITOR	4.7uF 50V K	C971	QETN1CM-107Z	E CAPACITOR	100uF 16V M
	QFZ0196-612 QFZ0196-113	MPP CAPACITOR MPP CAPACITOR	6100pF 1.5kV H 0.011uF 1.5kV H	C972 C973	QETN1EM-476Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	47uF 25V M 10uF 50V M
C514	QFP32GJ-183	PP CAPACITOR	0.018uF 400V J	∆ C997	QCZ9052-102	C CAPACITOR	1000pF AC125V M
C515 C516 C521	QFZ0197-354 QCB32HK-561Z	MPP CAPACITOR C CAPACITOR	0.35uF 250V J 560pF 500V K	∆ C998 ∆ C999	QCZ9074-103 QCZ9074-103	C CAPACITOR C CAPACITOR	0.01uF AC250V M 0.01uF AC250V M
C521	QETN2EM-106Z QEHR1VM-108Z	E CAPACITOR E CAPACITOR	10uF 250V M	R002	NDCA63 LODOV	MG RESISTOR	00.4/46///
C523 C525	QETN1VM-107Z	E CAPACITOR E CAPACITOR	1000uF 35V M 100uF 35V M	R003	NRSA63J-0R0X NRSA63J-101X	MG RESISTOR	0Ω 1/16W J 100Ω 1/16W J
C526 C527	QFV21HJ-824Z	MF CAPACITOR M CAPACITOR	0.82uF 50V J 0.01uF 100V J	R004 R005	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C533	QFLC2AJ-103Z QETN1HM-106Z	E CAPACITOR	10uF 50V M	R008	NRSA63J-0R0X NRSA63J-820X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 82Ω 1/16W J
C561 C562	NCB31HK-103X QETN1HM-106Z	C CAPACITOR E CAPACITOR	0.01uF 50V K 10uF 50V M	R009 R101	NRSA63J-682X NRSA63J-562X	MG RESISTOR MG RESISTOR	6.8kΩ 1/16W J 5.6kΩ 1/16W J
C601	QETN1EM-476Z	E CAPACITOR	47uF 25V M	R102	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
C602 C603	QETN1EM-476Z QETN1EM-476Z	E CAPACITOR E CAPACITOR	47uF 25V M 47uF 25V M	R103 R104	QRE121J-101Y NRSA63J-180X	C RESISTOR MG RESISTOR	100Ω 1/2W J 18Ω 1/16W J
C609	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	R105	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J
C610 C611	QFVF1HJ-104Z QFVF1HJ-104Z	MF CAPACITOR MF CAPACITOR	0.1uF 50V J 0.1uF 50V J	R111 R112	NRSA63J-394X NRSA63J-334X	MG RESISTOR MG RESISTOR	390kΩ 1/16W J 330kΩ 1/16W J
C621	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R113	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C622 C623	NCF21CZ-105X NCB31HK-102X	C CAPACITOR C CAPACITOR	1uF 16V Z 1000pF 50V K	R115 R116	NRSA63J-101X NRSA63J-680X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 68Ω 1/16W J
C624	NCF21CZ-105X	C CAPACITOR	1uF 16V Z	R117	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
C625 C626	QETN1VM-107Z QETN1VM-108Z	E CAPACITOR E CAPACITOR	100uF 35V M 1000uF 35V M	R118 R131	NRSA63J-223X NRSA63J-102X	MG RESISTOR MG RESISTOR	22kΩ 1/16W J 1kΩ 1/16W J
C627	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	R132	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C628 C629	QETN1EM-108Z QETN1EM-108Z	E CAPACITOR E CAPACITOR	1000uF 25V M 1000uF 25V M	R133 R134	NRSA63J-821X NRSA63J-561X	MG RESISTOR MG RESISTOR	820Ω 1/16W J 560Ω 1/16W J
C633	QETN1CM-477Z	E CAPACITOR	470uF 16V M	R135	NRSA63J-102X NRSA63J-332X	MG RESISTOR	1kΩ 1/16W J
C636 C637	QETN1HM-106Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	10uF 50V M 10uF 50V M	R161 R162	NRSA63J-0R0X	MG RESISTOR MG RESISTOR	3.3kΩ 1/16W J 0Ω 1/16W J
C638 C639	QFV71HJ-124Z	MF CAPACITOR MF CAPACITOR	0.12uF 50V J	R163 R164	NRSA63J-223X NRSA63J-102X	MG RESISTOR MG RESISTOR	22kΩ 1/16W J
C641	QFV71HJ-124Z QETN1HM-475Z	E CAPACITOR	0.12uF 50V J 4.7uF 50V M	R165	NRSA63J-223X	MG RESISTOR	1kΩ 1/16W J 22kΩ 1/16W J
C642 C643	QETN1HM-475Z QETN1EM-476Z	E CAPACITOR E CAPACITOR	4.7uF 50V M 47uF 25V M	R166 R167	NRSA63J-103X NRSA63J-102X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 1kΩ 1/16W J
C700	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R168	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C701 C702	QETN1HM-106Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	10uF 50V M 10uF 50V M	R169 R171	NRSA63J-561X NRSA63J-103X	MG RESISTOR MG RESISTOR	560Ω 1/16W J 10kΩ 1/16W J
C703	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R201	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C704 C705	QETN1CM-107Z NCB31HK-103X	E CAPACITOR C CAPACITOR	100uF 16V M 0.01uF 50V K	R212 R215	NRSA63J-272X NRSA63J-562X	MG RESISTOR MG RESISTOR	2.7kΩ 1/16W J 5.6kΩ 1/16W J
C706	QETN1HM-105Z	E CAPACITOR	1uF 50V M	R216	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
C708 C709	NDC31HJ-220X NDC31HJ-220X	C CAPACITOR C CAPACITOR	22pF 50V J 22pF 50V J	R217 R222	NRSA63J-102X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 0Ω 1/16W J
C711	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R227	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C712 C716	NCB31HK-103X QETN1HM-106Z	C CAPACITOR E CAPACITOR	0.01uF 50V K 10uF 50V M	R231 R237	NRSA63J-182X NRSA63J-392X	MG RESISTOR MG RESISTOR	1.8kΩ 1/16W J 3.9kΩ 1/16W J
C728	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R238	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C807 C813	QETN1AM-477Z NCB31HK-102X	E CAPACITOR C CAPACITOR	470uF 10V M 1000pF 50V K	R241 R243	NRSA63J-332X NRSA63J-152X	MG RESISTOR MG RESISTOR	3.3kΩ 1/16W J 1.5kΩ 1/16W J
C815 C851	NCB31HK-103X QETN1EM-107Z	C CAPACITOR E CAPACITOR	0.01uF 50V K 100uF 25V M	R281 R282	NRSA63J-182X NRSA63J-392X	MG RESISTOR MG RESISTOR	1.8kΩ 1/16W J 3.9kΩ 1/16W J
C852	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R283	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
C853 C854	QETN1CM-227Z QETN1CM-227Z	E CAPACITOR E CAPACITOR	220uF 16V M 220uF 16V M	R286 R287	NRSA63J-472X NRSA63J-101X	MG RESISTOR MG RESISTOR	4.7kΩ 1/16W J 100Ω 1/16W J
C856	QEHR1CM-227Z	E CAPACITOR	220uF 16V M	R288	NRSA02J-471X	MG RESISTOR	470Ω 1/10W J
C857 ∆ C901	QETN1CM-477Z QFZ9072-104	E CAPACITOR MM CAPACITOR	470uF 16V M 0.1uF AC250V K	R289 R290	NRSA63J-154X NRSA02J-561X	MG RESISTOR MG RESISTOR	150kΩ 1/16W J 560Ω 1/10W J
∆ C902	QFZ9072-473	MM CAPACITOR	0.047uF AC250V K	R292	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J
∆ C903 ∆ C904	QFZ9072-104 QCZ9054-102	MM CAPACITOR C CAPACITOR	0.1uF AC250V K 1000pF AC250V Z	R293 R301	NRSA63J-224X NRSA63J-222X	MG RESISTOR MG RESISTOR	220kΩ 1/16W J 2.2kΩ 1/16W J
∆ C905	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	R302	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
∆ C906 C907	QCZ9054-102 QEZ0644-567	C CAPACITOR E CAPACITOR	1000pF AC250V Z 560uF 200V K	R303 R304	NRSA63J-222X NRSA63J-101X	MG RESISTOR MG RESISTOR	2.2kΩ 1/16W J 100Ω 1/16W J
 ∆C908	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	R305	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C912 C913	QCZ0340-222 QFLC1HJ-471Z	C CAPACITOR M CAPACITOR	2200pF 2kV K 470pF 50V J	R306 R318	NRSA63J-101X NRSA63J-472X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 4.7kΩ 1/16W J
C914	QETN1HM-107Z	E CAPACITOR	100uF 50V M	R319	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C916 C917	NDC31HJ-331X NCB31HK-182X	C CAPACITOR C CAPACITOR	330pF 50V J 1800pF 50V K	R352 R354	NRSA63J-103X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 0Ω 1/16W J
C918 C919	NCB21HK-104X QFP32GJ-103	C CAPACITOR	0.1uF 50V K	R355	NRSA63J-0R0X NRSA63J-123X	MG RESISTOR	0Ω 1/16W J
C931	QEZ0203-227	PP CAPACITOR E CAPACITOR	0.01uF 400V J 220uF 160V M	R356 R358	NRSA63J-333X	MG RESISTOR MG RESISTOR	12kΩ 1/16W J 33kΩ 1/16W J
C932	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	R359	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J

ΔRef No.	Part No.	Part Name	Description Local	ΔRef No.	Part No.	Part Name	Description Local
R360	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R701	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R421	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	R702	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R423	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	R704	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R424	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	R705	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R426	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	R706	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R427	QRT029J-1R5	MF RESISTOR	1.5Ω 2W J	R707	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R429	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	R708	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R430	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R709	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R431	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	R715	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R432	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R718	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R433	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	R721	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R434	QRL029J-181	OMF RESISTOR	180Ω 2W J	R728	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R435	QRE121J-102Y	C RESISTOR	1kΩ 1/2W J	R729	NRSA63J-223X	MG RESISTOR MG RESISTOR MG RESISTOR	22kΩ 1/16W J
R441	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R731	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R447	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R732	NRSA63J-101X		100Ω 1/16W J
R449	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	R733	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R734	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R502 R503	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	R739 R740	NRSA63J-0R0X NRSA63J-103X	MG RESISTOR	0Ω 1/16W J 10kΩ 1/16W J
R504	QRE121J-103Y QRL039J-152	C RESISTOR OMF RESISTOR	10kΩ 1/2W J 1.5kΩ 3W J	R764	NRSA63J-221X	MG RESISTOR MG RESISTOR	220Ω 1/16W J
R505	QRL039J-182	OMF RESISTOR	1.8kΩ 3W J	R765	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R506	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R766	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R508 R509	NRSA63J-0R0X NRSA63J-221X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 220Ω 1/16W J	R767 R769	NRSA63J-221X NRSA63J-682X	MG RESISTOR MG RESISTOR MG RESISTOR	220Ω 1/16W J 6.8kΩ 1/16W J
R511	QRE121J-220Y	C RESISTOR	22Ω 1/2W J	R772	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R512	QRE121J-681Y	C RESISTOR	680Ω 1/2W J	R811	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R513	QRL039J-273	OMF RESISTOR	27kΩ 3W J	R812	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R515	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R816	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J
R516	QRZ0221-2R0	OMF RESISTOR	2Ω 7W K	R821	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J
R524	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	R822	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R526	QRE121J-272Y	C RESISTOR	2.7kΩ 1/2W J	R827	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R527	QRE121J-124Y	C RESISTOR	120kΩ 1/2W J	R857	QRL029J-820	OMF RESISTOR	82Ω 2W J
R528	QRE121J-154Y	C RESISTOR	150kΩ 1/2W J	R901	QRF074K-1R2	UNF WW RESISTOR OMF RESISTOR	1.2Ω 7W K
R529	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	R909	QRG01GJ-470		47Ω 1W J
∆ R531	QRJ146J-391X	UNF C RESISTOR	390Ω 1/4W J	R911	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R532	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	R912	QRT029J-R18	MF RESISTOR	0.18Ω 2W J
R533	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	R913	QRT029J-R15	MF RESISTOR	0.15Ω 2W J
R534	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	∆ R914	QRK126J-681X	UNF C RESISTOR	680Ω 1/2W J
 ∆R535	NRVA02D-242X	CMF RESISTOR	2.4kΩ 1/10W D	 ⚠R915	ORK129.J-6R8	UNF C RESISTOR	6.8Ω 1/2W J
∆ R537	NRVA02D-682X	CMF RESISTOR	6.8kΩ 1/10W D	∆ R917	QRK126J-332X	UNF C RESISTOR	3.3kΩ 1/2W J
R538	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R918	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J
R541	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R919	QRE121J-684Y	C RESISTOR	680kΩ 1/2W J
R543	QRE121J-122Y	C RESISTOR	1.2kΩ 1/2W J	R924	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J
R544	QRE121J-392Y	C RESISTOR	3.9kΩ 1/2W J	R930	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R545	QRE121J-822Y	C RESISTOR	8.2kΩ 1/2W J	R939	QRT039J-1R5	MF RESISTOR	1.5Ω 3W J
R546	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	R940	QRE121J-181Y	C RESISTOR	180Ω 1/2W J
R547	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R941	QRL029J-183	OMF RESISTOR	18kΩ 2W J
R548	QRE121J-152Y	C RESISTOR	1.5kΩ 1/2W J	R950	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R553	QRL039J-390	OMF RESISTOR	39Ω 3W J	R951	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
∆ R554	QRK126J-150X	UNF C RESISTOR	15Ω 1/2W J	R952	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R555	QRX029J-3R3	MF RESISTOR	3.3Ω 2W J	R953	QRE121J-820Y	C RESISTOR	82Ω 1/2W J
R561	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R973	QRE121J-272Y	C RESISTOR	2.7kΩ 1/2W J
R562	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R975	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R601	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R977	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J
R602	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R978	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R603	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R979	QRT029J-1R0	MF RESISTOR	1Ω 2W J
R610	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R980	QRT029J-1R0	MF RESISTOR	1Ω 2W J
R611	NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J	 ⚠R998	QRZ9041-275	C RESISTOR	2.7MΩ 1/2W K
R612 R621	NRSA63J-101X NRSA63J-332X	MG RESISTOR	100Ω 1/16W J 3.3kΩ 1/16W J	R999	QRE121J-121Y	C RESISTOR	120Ω 1/2W J
R622	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	L001	QQL244K-560Z	COIL	56uH K
R623	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	L101	QQLZ014-R22	COIL	0.22uH 100mA L
R624	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	L113	QQL244K-4R7Z	COIL	4.7uH K
R626	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	L131	QQL244K-150Z	COIL	15uH K
R627	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	L161	QQL244K-220Z	COIL	22uH K
R628	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J	L232	QQL244K-560Z	COIL	56uH K
R629	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J	L241	QQL244K-220Z	COIL	22uH K
R631	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	L391	QQL244K-220Z	COIL	22uH K
R632	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	L511	QQR1165-004	LINEARITY COIL	
R633	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	L512	QQLZ036-821	COIL	820uH K
R637	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L521	QQLZ026-800	COIL	80uH ±7%
R638	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L701	QQL244K-220Z	COIL	22uH K
R639	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L702	QQL244K-220Z	COIL	22uH K
R640	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L703	QQL244K-220Z	COIL	22uH K
R641	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L704	QQL244K-220Z	COIL	22uH K
R644	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J	L705	QQL244K-220Z	COIL	22uH K
R645	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J	L931	QQL26AK-470Z	COIL	47uH K
R647	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	L933	QQL26AK-470Z	COIL	47uH K
R648	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	L937	QQL26AK-470Z	COIL	47uH K
R649	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L940	QQR0582-001Z	FERRITE BEADS	
R650	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	T111	QQR0907-001	IFT	
R651	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	T501	CE42034-002	HOR DRIVE TRANS	
R652	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	- ∆ T921	QQS0225-001	SW TRANSF	
R653 R656	NRSA63J-0R0X NRSA63J-101X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 100Ω 1/16W J	△ T951	QQT0372-001	POWER TRANSF	
R657	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	CF001	QAX0349-001	C TRAP	47.25MHz
R700	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	CF131	QAX0639-001Z	C TRAP	4.500MHz

⚠Ref No.	Part No.	Part Name	Description Local	ΔRef No.	Part No.	Part Name	Description Local
CF161 CN001 CN004 CN005 CN007 CN00C	QAX0642-001Z QGB1505J1-35 QGA2501C5-07Z QGA2501C5-06Z QGA2501C5-06Z QGA2501D-06Z	C FILTER CONNECTOR CONNECTOR CONNECTOR CONNECTOR CONNECTOR LY CONNECTOR	4.500MHz B-B (1-35) W-B (1-7) W-B (1-6) W-B (1-6) W-B (1-6)	D3314 D3331 D3351 D3352 D3353 D3354	1\$\$133-T2 1\$\$133-T2 1\$\$133-T2 1\$\$133-T2 1\$\$133-T2 1\$\$133-T2	DIODE DIODE DIODE DIODE DIODE DIODE	
CN0E1 CN0E3 CN0HV CN0SS ACP932 ACP933 ACP936 AF901 AF905 FC901 FC902 AFR525 AFR527 HS001 HS002 HS003 HS004 HS005 HS007 J810 K401 K912 K916 K917	CE41507-001P CE41507-001P CE41507-001P QGZ5004C1-06 QGA2501C5-05Z QGA2501C5-04Z ICP-N70-T ICP-N70-T ICP-N70-T QMF51N1-5R0-J5 QMFZ049-5R0Z-E CEMG002-001Z CEMG002-001Z CRZ9017-4R7 QRZ9011-470 LC32313-001A LC31948-001A LC31948-001A CEHE015-001WU CM42862-00G-H CEHT11B-002QS QNN00349-002 QNS0001-001 QQR0582-001Z QQR0582-001Z QQR0582-001Z QQR0582-001Z	LV CONNECTOR LV CONNECTOR CONNECTOR CONNECTOR CONNECTOR IC PROTECTOR IC PROTECTOR IC PROTECTOR IC PROTECTOR IC PROTECTOR IC PROTECTOR FUSE FUSE FUSE CLIP FUSE CLIP FUSI RESISTOR HEAT SINK/AL-F/ HEAT SINK/AL-F/ HEAT SINK ASSY HEAT SINK PIN JACK 3.5 JACK FERRITE BEADS FERRITE BEADS FERRITE BEADS FERRITE BEADS FERRITE BEADS	(1-6) W-B (1-5) W-B (1-4) 2.5A 2.5A 2.5A 2.5A 5A AC125V 5A 125V 4.7Ω 1/4W J 47Ω 1/2W J	C3101 C3109 C3110 C3111 C3113 C3114 C3115 C3117 C3118 C3120 C3120 C3122 C3125 C3151 C3152 C3301 C3302 C3303 C3301 C3302 C3303 C3321 C3322 C3323 C3321 C3322	QETN1HM-106Z QETN1CM-107Z NDC31HJ-221X NDC31HJ-221X QETN2CM-106Z QCB32HK-472Z QCB32HK-472Z QETN2CM-106Z QETN1AM-107Z QETN1AM-337Z QCS32HJ-151Z NDC31HJ-5R0X NRSA63J-0R0X NCB21EK-104X NDC31HJ-561X NDC31HJ-561X NDC31HJ-561X NDC31HJ-561X QETN2EM-105Z QETN1CM-107Z QETN1CM-107Z QETN1CM-107Z QCZ0324-102	E CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR	10uF 50V M 100uF 16V M 220pF 50V J 220pF 50V J 10uF 160V M 4700pF 500V K 4700pF 500V K 10uF 160V M 100uF 6.3V M 100uF 6.3V M 100uF 10V M 330uF 10V M 150pF 500V J 00 1/16W J 0.1uF 25V K 0.1uF 25V K 560pF 50V J 390pF 50V J 560pF 50V J 10uF 25V M 10uF 250V M 10uF 250V M 10uF 250V M 10uF 16V M 100uF 16V M 100uF 16V M
K918 K920 K931 K932 K933 K935 K937 LC601 LC602 LC603 金LF901 金LF902 金RY951 S421 SF101 金TH901 金TH901 本TH901 太TH901	QQR0582-001Z QQR0872-002 QQR0582-001Z QQR0582-001Z QQR0582-001Z QQR0582-001Z QQR1199-001 QQR1199-001 QQR1199-001 QQR1199-001 QQR1527-004 QSK0085-001 QSL4A13-C02 QAX0723-001 QAD0132-3R0 QAU0274-001 ERZV10V621CS QAX0717-001Z	FERRITE BEADS EMI FILTER EMI FILTER EMI FILTER LINE FILTER LINE FILTER LINE FILTER RELAY LEVER SWITCH SAW FILTER P THERMISTOR TUNER ZNR CRYSTAL	V.CENTER 3Ω 8.000MHz	R3108 R3111 R3114 R3115 R3116 R3117 R3119 ▲R3122 R3123 R3124 R3125 R3126 R3127 R3128 R3129 R3130 R3131 R3131 R3132 R3134 R3132 R3134 R3136 R3139 R3144	NRSA63J-0R0X NRSA63J-332X QRJ146J-100X NRSA63J-470X NRSA63J-470X NRSA63J-102X NRSA63J-121X QRZ9021-561 NRSA63J-122X NRSA63J-390X NRSA63J-563X NRSA63J-563X NRSA63J-563X NRSA63J-563X NRSA63J-121X QRL029J-391 NRSA63J-121X QRL029J-391 NRSA63J-681X NRSA63J-681X NRSA63J-681X NRSA63J-681X	MG RESISTOR MG RESISTOR UNF C RESISTOR MG RESISTOR	0Ω 1/16W J 3.3kΩ 1/16W J 10Ω 1/4W J 47Ω 1/16W J 47Ω 1/16W J 1kΩ 1/16W J 1kΩ 1/16W J 120Ω 1/16W J 560Ω 1W J 1.2kΩ 1/16W J 5.6Ω 1/16W J 1.2kΩ 1/16W J 1.2kΩ 1/16W J 2.2kΩ 1/16W J 39Ω 1/16W J 39Ω 1/16W J 39Ω 1/16W J 120Ω 1/16W J 39Ω 2W J 2.2kΩ 1/16W J 33kΩ 1/16W J 680Ω 1/16W J 680Ω 1/16W J
CRT SC	Part No.	OARD ASS'Y (SO Part Name	GJ-3506A-M2) Description Local	R3145 R3146	NRSA63J-5R6X NRSA63J-5R6X	MG RESISTOR MG RESISTOR	680Ω 1/16W J 5.6Ω 1/16W J 5.6Ω 1/16W J
Q3103 Q3105 Q3106 Q3107 Q3108 Q3109 Q3151 Q3302 Q3303 Q3304 Q3305 Q3306 Q3351 D3101 D3105 D3106 D3301 D3302 D3303 D3304 D3305 D3106 D3301 D3302 D3303 D3304 D3305 D3301	2SA933AS/QR/-T 2SC1740S/QR/-T 2SA933AS/QR/-T 2SA1964/DE/ 2SC5248/DE/ 2SC1740S/QR/-T 2SC1740S/QR/-T 2SC5083/L-P/-T 2SC5083/L-P/-T 2SC5083/L-P/-T 2SC5147/CDE/F43 2SC5147/CDE/F43 2SC5147/CDE/F43 2SC5147/CDE/F43 2SA933AS/QR/-T 1SS133-T2 RH1S-T3 RH1S-T3 1SS133-T2 1SS133-T2 1SS82-T2 1SS82-T2 1SS82-T2 1SS82-T2 1SS82-T2 1SS82-T2 1SS133-T2 1SS133-T2 1SS133-T2 1SS82-T2 1SS82-T2 1SS82-T2 1SS82-T2 1SS82-T2 1SS82-T2 1SS82-T2 1SS82-T2 1SS83-T2 1SS133-T2	TRANSISTOR TRANSISTOR TRANSISTOR POW TRANSISTOR POW TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR POW TRANSISTOR POW TRANSISTOR POW TRANSISTOR POW TRANSISTOR TRANSISTOR DIODE SI DIODE SI DIODE SI DIODE DIODE DIODE SI DIODE		R3151 R3152 R3153 R3154 R3301 R3302 R3303 R3304 R3305 R3306 R3307 R3310 R3311 R3312 R3313 R3314 R3315 R3316 R3317 R3318 R3317 R3318 R3317 R3318 R3317 R3318	NRSA63J-473X NRSA63J-683X NRSA63J-683X NRSA63J-151X NRSA63J-151X NRSA63J-151X NRSA63J-151X NRSA63J-121X NRSA63J-121X NRSA63J-121X NRSA63J-470X NRSA63J-470X NRSA63J-470X QRG029J-153 QRG029J-153 QRG029J-153 QRG029J-183 QRG029J-183 QRG029J-183 QRG029J-183 QRG029J-183 QRG029J-183 VRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X QRC121K-102Z QRC121K-102Z QRC121K-102Z QRC121K-102Z VRSA63J-272X NRSA63J-272X NRSA63J-152X NRSA63J-152X NRSA63J-272X	MG RESISTOR OMF RESISTOR COMP RESISTOR MG RESISTOR	47kΩ 1/16W J 68kΩ 1/16W J 68kΩ 1/16W J 47kΩ 1/16W J 150Ω 1/16W J 150Ω 1/16W J 150Ω 1/16W J 150Ω 1/16W J 120Ω 1/16W J 120Ω 1/16W J 120Ω 1/16W J 47Ω 1/16W J 47Ω 1/16W J 47Ω 1/16W J 47Ω 1/16W J 15kΩ 2W J 15kΩ 2W J 18kΩ 1/2W K 1kΩ 1/2W K 1kΩ 1/2W K 1kΩ 1/2W K 2.7kΩ 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
R3336	NRSA63J-0R0X	MG RESISTOR COMP RESISTOR	0Ω 1/16W J
R3337	NRSA63J-0R0X		0Ω 1/16W J
R3338	NRSA63J-0R0X		0Ω 1/16W J
R3351	NRSA63J-222X		2.2kΩ 1/16W J
R3352	NRSA63J-222X		2.2kΩ 1/16W J
R3353	NRSA63J-222X		2.2kΩ 1/16W J
R3354	NRSA63J-102X		1kΩ 1/16W J
R3363	QRC121K-474Z		470kΩ 1/2W K
L3301	QQL244K-180Z	COIL COIL COIL COIL COIL COIL	18uH K
L3302	QQL244K-180Z		18uH K
L3303	QQL244K-180Z		18uH K
L3304	QQL244K-470Z		47uH K
L3305	QQL244K-470Z		47uH K
L3306	QQL244K-470Z		47uH K
CN3004 CN3005 CN300V CN30E2 CN30E4 HS3010 HS3011 HS3012 HS3013 K3102 K3103 K3104 K3105 ÆSK3001	QJB003-073226 WJA0029-001A QGA2501C5-03Z QUB130-38A6AS QUB130-38A6AS CEHP00N-001QS CEHP00N-001QS CEHP00N-001QS CEHP00N-001QS CEHP00N-001QS CE41492-001Z CE41492-001Z CE41492-001Z CE41492-001Z QNZ0464-001	SIN ID C-B WIRE E-S ID WIRE CONNECTOR SIN TWIST WIRE SIN TWIST WIRE HEAT SINK HEAT SINK HEAT SINK HEAT SINK CHOKE COIL	W-B (1-3)

AV SELECTOR P.W. BOARD ASS'Y (SGJ-5502A-M2)

REFER TO PARTS LIST IN PAGE 3-10 FOR THIS P.W. BOARD.

FRONT CONTROL P.W. BOARD ASS'Y (SGJ-6501A-M2)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

LED & POWER SW P.W. BOARD ASS'Y (SGJ-7502A-M2)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

PRINTED WIRING BOARD PARTS LIST [AV-32FA44 /AYA]

MAIN F	P.W. BOARD AS	SS'Y (SGJ-1506A-M2)		⚠Ref No.	Part No.	Part Name	Description Local
Ref No.	Part No.	Part Name	Description Local	D707 D708	MTZJ5.6B-T2 MTZJ5.6B-T2	Z DIODE Z DIODE	
IC101 IC201 IC421	M52342SP TM8812CSDNG4RR: LA7841	IC		D709 D723 D810	MTZJ5.6B-T2 MTZJ5.6B-T2 MTZJ5.6B-T2	Z DIODE Z DIODE Z DIODE	
IC502 IC621	CXA1875AM-X AN5277	IC IC		∆ D901 D910	GSIB460-S1 MA700A-T2	BRIDGE DIODE SB DIODE	
IC702 IC703	AT24C04W-32FA44 S-80840CNY-T	IC IC	(SERVICE)	D911 D912	RGP10J-5025-T3 RGP10J-5025-T3	SI DIODE SI DIODE	
IC704 IC851	AN78L05-T AN7812F	iC IC		D913 D914	RGP10J-5025-T3 1SS133-T2	SI DIODE DIODE	
IC852 IC853	AN7809F AN7805F	IC IC		D915 D917	SARS01-T2	SI DIODE Z DIODE	
ΔIC911	STR-F6626/F3	IC		D918	MTZJ30A-T2 MTZJ5.1C-T2	Z DIODE	
∆IC921	SE135N	IC		D920 D931	1SS133-T2 RU30A-F1	DIODE SI DIODE	
Q001 Q101	UN2212-X 2SC5083/L-P/-T	DIGI TRANSISTOR TRANSISTOR		D933 D935	RU3YX-LFC4 RU3YX-LFC4	SI DIODE SI DIODE	
Q131 Q161	2SB709A/QR/-X 2SD601A/QR/-X	TRANSISTOR TRANSISTOR		D937 D941	RU3YX-LFC4 MTZJ33A-T2	SI DIODE Z DIODE	
Q211 Q232	2SD601A/QR/-X 2SD601A/QR/-X	TRANSISTOR TRANSISTOR		D945 D952	MTZJ9.1B-T2 1SS133-T2	Z DIODE DIODE	
Q233 Q352	2SD601A/QR/-X 2SD601A/QR/-X	TRANSISTOR TRANSISTOR		D953 D954	1SS133-T2	DIODE SI DIODE	
Q353	2SD601A/QR/-X	TRANSISTOR		D955	1SR35-400A-T2 1SR35-400A-T2	SI DIODE	
Q431 Q451	UN2212-X 2SD601A/QR/-X	DIGI TRANSISTOR TRANSISTOR		D956 D957	1SR35-400A-T2 1SR35-400A-T2	SI DIODE SI DIODE	
Q501 △Q511	2SC4212/Z1/ 2SD2645-YD	TRANSISTOR TRANSISTOR	H OUT	D972 D973	MTZJ15C-T2 1SS133-T2	Z DIODE DIODE	
Q531 Q532 Q541	2SC2785/JH/-T 2SB709A/QR/-X 2SB709A/QR/-X	SI TRANSISTOR TRANSISTOR TRANSISTOR		△ PC921	TLP421F/D4-GR/	PHOTO COUPLER	
Q542 Q543	2SB709A/QR/-X 2SD1408/OY/-LB	TRANSISTOR POW TRANSISTOR		C001 C003	QETN1HM-475Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	4.7uF 50V M 10uF 50V M
Q622 Q623	2SD601A/QR/-X UN2212-X	TRANSISTOR DIGI TRANSISTOR		C004 C006	QETN1CM-108Z QETN1EM-476Z	E CAPACITOR E CAPACITOR	1000uF 16V M 47uF 25V M
Q624 Q625	2SB709A/QR/-X 2SB709A/QR/-X	TRANSISTOR TRANSISTOR		C101 C102	NCB31HK-103X NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K
Q626 Q627	2SD601A/QR/-X 2SD601A/QR/-X	TRANSISTOR TRANSISTOR		C104 C105	NCB31HK-103X NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K
Q701 Q951	2SB709A/QR/-X 2SD1383K/AB/-X	TRANSISTOR TRANSISTOR		C106 C107	QETN1EM-476Z NCB31HK-103X	E CAPACITOR C CAPACITOR	47uF 25V M 0.01uF 50V K
Q971	2SA1208/ST/Z1-T	TRANSISTOR		C113 C114	NCB31HK-103X NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K 0.01uF 50V K
D305	1SS133-T2	DIODE		C116	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J
D306 D307	1SS133-T2 1SS133-T2	DIODE DIODE		C117 C118	QETN1EM-476Z NCB31HK-103X	E CAPACITOR C CAPACITOR	47uF 25V M 0.01uF 50V K
D308 D309	1SS133-T2 1SS133-T2	DIODE DIODE		C119 C120	NDC31HJ-681X QETN1HM-474Z	C CAPACITOR E CAPACITOR	680pF 50V J 0.47uF 50V M
D310 D352	1SS133-T2 MTZJ9.1C-T2	DIODE Z DIODE		C124 C131	NCB31HK-103X NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K
D353 D354	1SS133-T2 MTZJ3.3A-T2	DIODE Z DIODE		C161 C163	QETN1HM-106Z NDC31HJ-470X	E CAPACITOR C CAPACITOR	10uF 50V M 47pF 50V J
D421 D431	1N4003-T2 1SR35-400A-T2	SI DIODE SI DIODE		C164 C165	NDC31HJ-470X NCB31HK-103X	C CAPACITOR C CAPACITOR	47pF 50V J 0.01uF 50V K
D432 D501	1SS133-T2 RH3G-F1	DIODE SI DIODE		C166	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
D502	RU3AM-LFC4	SI DIODE		C202 C203	QETN1HM-105Z NCB31HK-152X	E CAPACITOR C CAPACITOR	1uF 50V M 1500pF 50V K
D507 D521	RGP10J-5025-T3 RH1S-T3	SI DIODE SI DIODE		C211 C212	QENC1CM-106Z NDC31HJ-100X	BP E CAPACITOR C CAPACITOR	10uF 16V M 10pF 50V J
D523 D524	EL1Z-T3 EL1Z-T3	SI DIODE SI DIODE		C221 C222	QETN1HM-106Z QFVF1HJ-104Z	E CAPACITOR MF CAPACITOR	10uF 50V M 0.1uF 50V J
D525 D526	1SS81-T5 1SS81-T5	SI DIODE SI DIODE		C223 C233	NCB31HK-103X NDC31HJ-680X	C CAPACITOR C CAPACITOR	0.01uF 50V K 68pF 50V J
D527 D529	1SR124-400A-T2 MTZJ9.1C-T2	SI DIODE Z DIODE		C237 C241	NCB31HK-103X NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K
△D531 D535	MA4068N/Z1/-T2 1SS133-T2	Z DIODE DIODE		C242 C243	QETN1HM-225Z QETN1CM-107Z	E CAPACITOR E CAPACITOR	2.2uF 50V M 100uF 16V M
D537	1SR35-400A-T2	SI DIODE		C244	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
D601 D602	MTZJ9.1C-T2 MTZJ9.1C-T2	Z DIODE Z DIODE		C281 C282	QFVF1HJ-474Z QETN1CM-107Z	MF CAPACITOR E CAPACITOR	0.47uF 50V J 100uF 16V M
D603 D621	MTZJ9.1C-T2 1SS133-T2	Z DIODE DIODE		C283 C284	NCB31HK-103X QETN1HM-225Z	C CAPACITOR E CAPACITOR	0.01uF 50V K 2.2uF 50V M
D622 D627	1SS133-T2 1SS133-T2	DIODE DIODE		C285 C286	NCB31HK-103X QETN1HM-106Z	C CAPACITOR E CAPACITOR	0.01uF 50V K 10uF 50V M
D630 D631	1SS133-T2 1SS133-T2	DIODE DIODE		C287 C288	QETN1CM-107Z NCB31HK-103X	E CAPACITOR C CAPACITOR	100uF 16V M 0.01uF 50V K
D632 D700	1SS133-T2 MTZJ5.6B-T2	DIODE Z DIODE		C302 C352	NCB31EK-104X QETN1CM-476Z	C CAPACITOR E CAPACITOR	0.1uF 25V K 47uF 16V M
D701	1SS133-T2	DIODE		C354	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
D703 D704	MTZJ5.6B-T2 MTZJ5.6B-T2	Z DIODE Z DIODE		C391 C392	QETN1CM-107Z NCB31HK-103X	E CAPACITOR C CAPACITOR	100uF 16V M 0.01uF 50V K
D705 D706	1SS133-T2 MTZJ5.6B-T2	DIODE Z DIODE		C422 C424	QFN32AK-102Z QETN1VM-107Z	M CAPACITOR E CAPACITOR	1000pF 100V K 100uF 35V M

⚠Ref No.	Part No.	Part Name	Description Local	∆Ref No.	Part No.	Part Name	Description Local
C428	QEHQ1VM-108	E CAPACITOR	1000uF 35V M	C931	QEZ0203-227	E CAPACITOR	220uF 160V M
C429	QETN1HM-105Z	E CAPACITOR	1uF 50V M	C932	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C431 C432	QFLC2AK-563Z QETN1EM-476Z	M CAPACITOR E CAPACITOR	0.056uF 100V K 47uF 25V M	C933 C934	QETN1CM-108Z NDC31HJ-221X	E CAPACITOR C CAPACITOR	1000uF 16V M 220pF 50V J
C433	QETN1EM-476Z	E CAPACITOR	47uF 25V M	C935	QETN1VM-108Z	E CAPACITOR	1000uF 35V M
C435 C440	NCB21HK-183X QCS32HJ-180Z	C CAPACITOR C CAPACITOR	0.018uF 50V K 18pF 500V J	C937 C938	QCZ0340-102 QETN1CM-108Z	C CAPACITOR E CAPACITOR	1000pF 2kV K 1000uF 16V M
C501	QCB32HK-151Z	C CAPACITOR	150pF 500V K	C939	QCB32HK-152Z	C CAPACITOR	1500pF 500V K
C502 C503	QCB32HK-331Z QEHR2CM-105Z	C CAPACITOR E CAPACITOR	330pF 500V K 1uF 160V M	C941 C942	QCB32HK-102Z QEHR1HM-105Z	C CAPACITOR E CAPACITOR	1000pF 500V K 1uF 50V M
C504	QEZ0203-107	E CAPACITOR	100uF 160V M	C943	QETN1CM-108Z	E CAPACITOR	1000uF 16V M
C505 C507	QENC2AM-225Z QEZ0195-475Z	BP E CAPACITOR BP E CAPACITOR	2.2uF 100V M 4.7uF 50V M	C951 C952	QETN1EM-477Z QETN1CM-227Z	E CAPACITOR E CAPACITOR	470uF 25V M 220uF 16V M
△C510	QFZ0200-422	MPP CAPACITOR	4200pF 1.5kV H	C971	QETN1CM-227Z QETN1CM-107Z	E CAPACITOR E CAPACITOR	100uF 16V M
△C513 C514	QFZ0198-153 QFP32GJ-223	MPP CAPACITOR PP CAPACITOR	0.015uF 0.022uF 400V J	C972 C973	QETN1EM-476Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	47uF 25V M 10uF 50V M
C515	QFZ0199-474	MPP CAPACITOR	0.47uF 250V J	∆ C997	QCZ9052-102	C CAPACITOR	1000pF AC125V M
C516 C521	QCB32HK-561Z QETN2EM-106Z	C CAPACITOR E CAPACITOR	560pF 500V K 10uF 250V M	∆ C998 ∆ C999	QCZ9074-103 QCZ9074-103	C CAPACITOR C CAPACITOR	0.01uF AC250V M 0.01uF AC250V M
C523	QETN1EM-108Z	E CAPACITOR E CAPACITOR	1000uF 25V M	2770999	QCZ9074-103	CCAPACITOR	0.010F AG250V IVI
C524 C525	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	R002	NRSA63J-0R0X NRSA63J-101X	MG RESISTOR	0Ω 1/16W J
C526	QETN1VM-107Z QFV21HJ-824Z	E CAPACITOR MF CAPACITOR	100uF 35V M 0.82uF 50V J	R003 R004	NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J
C527 C533	QFLC2AJ-103Z	M CAPACITOR	0.01uF 100V J	R005	NRSA63J-0R0X NRSA63J-820X	MG RESISTOR	0Ω 1/16W J
C561	QETN1HM-106Z NCB31HK-103X	E CAPACITOR C CAPACITOR	10uF 50V M 0.01uF 50V K	R008 R009	NRSA63J-682X	MG RESISTOR MG RESISTOR	82Ω 1/16W J 6.8kΩ 1/16W J
C562	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R101	NRSA63J-562X	MG RESISTOR MG RESISTOR	5.6kΩ 1/16W J
C601 C602	QETN1EM-476Z QETN1EM-476Z	E CAPACITOR E CAPACITOR	47uF 25V M 47uF 25V M	R102 R103	NRSA63J-182X QRE121J-101Y	C RESISTOR	1.8kΩ 1/16W J 100Ω 1/2W J
C603	QETN1EM-476Z	E CAPACITOR	47uF 25V M	R104	NRSA63J-180X	MG RESISTOR	18Ω 1/16W J
C609 C610	QFVF1HJ-104Z QFVF1HJ-104Z	MF CAPACITOR MF CAPACITOR	0.1uF 50V J 0.1uF 50V J	R105 R111	NRSA63J-270X NRSA63J-394X	MG RESISTOR MG RESISTOR	27Ω 1/16W J 390kΩ 1/16W J
C611	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	R112	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J
C621 C622	NCB31HK-102X NCF21CZ-105X	C CAPACITOR C CAPACITOR	1000pF 50V K 1uF 16V Z	R113 R115	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J
C623	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R116	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
C624 C625	NCF21CZ-105X QETN1VM-107Z	C CAPACITOR E CAPACITOR	1uF 16V Z 100uF 35V M	R117 R118	NRSA63J-273X NRSA63J-223X	MG RESISTOR MG RESISTOR	27kΩ 1/16W J 22kΩ 1/16W J
C626	QETN1VM-108Z	E CAPACITOR	1000uF 35V M	R131	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C627 C628	QETN1HM-474Z QETN1EM-108Z	E CAPACITOR E CAPACITOR	0.47uF 50V M 1000uF 25V M	R132 R133	NRSA63J-331X NRSA63J-821X	MG RESISTOR MG RESISTOR	330Ω 1/16W J 820Ω 1/16W J
C629	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	R134	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
C633 C636	QETN1CM-477Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	470uF 16V M 10uF 50V M	R135 R161	NRSA63J-102X NRSA63J-332X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 3.3kΩ 1/16W J
C637	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R162	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C638 C639	QFV71HJ-124Z QFV71HJ-124Z	MF CAPACITOR MF CAPACITOR	0.12uF 50V J 0.12uF 50V J	R163 R164	NRSA63J-223X NRSA63J-102X	MG RESISTOR MG RESISTOR	22kΩ 1/16W J 1kΩ 1/16W J
C641	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	R165	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C642 C643	QETN1HM-475Z QETN1EM-476Z	E CAPACITOR E CAPACITOR	4.7uF 50V M 47uF 25V M	R166 R167	NRSA63J-103X NRSA63J-102X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 1kΩ 1/16W J
C700	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R168	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C701 C702	QETN1HM-106Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	10uF 50V M 10uF 50V M	R169 R171	NRSA63J-561X NRSA63J-103X	MG RESISTOR MG RESISTOR	560Ω 1/16W J 10kΩ 1/16W J
C703	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R201	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C704 C705	QETN1CM-107Z NCB31HK-103X	E CAPACITOR C CAPACITOR	100uF 16V M 0.01uF 50V K	R212 R215	NRSA63J-272X NRSA63J-562X	MG RESISTOR MG RESISTOR	2.7kΩ 1/16W J 5.6kΩ 1/16W J
C706	QETN1HM-105Z	E CAPACITOR	1uF 50V M	R216	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
C708 C709	NDC31HJ-220X NDC31HJ-220X	C CAPACITOR C CAPACITOR	22pF 50V J 22pF 50V J	R217 R222	NRSA63J-102X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 0Ω 1/16W J
C711	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R227	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C712 C716	NCB31HK-103X QETN1HM-106Z	C CAPACITOR E CAPACITOR	0.01uF 50V K 10uF 50V M	R231 R237	NRSA63J-182X NRSA63J-392X	MG RESISTOR MG RESISTOR	1.8kΩ 1/16W J 3.9kΩ 1/16W J
C728	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R238	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C807 C813	QETN1AM-477Z NCB31HK-102X	E CAPACITOR C CAPACITOR	470uF 10V M 1000pF 50V K	R241 R243	NRSA63J-332X NRSA63J-152X	MG RESISTOR MG RESISTOR	3.3kΩ 1/16W J 1.5kΩ 1/16W J
C815	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R281	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
C851 C852	QETN1EM-107Z QETN1EM-107Z	E CAPACITOR E CAPACITOR	100uF 25V M 100uF 25V M	R282 R283	NRSA63J-392X NRSA63J-681X	MG RESISTOR MG RESISTOR	3.9kΩ 1/16W J 680Ω 1/16W J
C853	QETN1CM-227Z	E CAPACITOR	220uF 16V M	R286	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C854 C856	QETN1CM-227Z QETN1CM-227Z	E CAPACITOR E CAPACITOR	220uF 16V M 220uF 16V M	R287 R288	NRSA63J-101X NRSA02J-471X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 470Ω 1/10W J
C857	QETN1CM-477Z	E CAPACITOR	470uF 16V M	R289	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J
∆ C901 ∆ C902	QFZ9072-104 QFZ9072-473	MM CAPACITOR MM CAPACITOR	0.1uF AC250V K 0.047uF AC250V K	R290 R292	NRSA02J-561X NRSA63J-124X	MG RESISTOR MG RESISTOR	560Ω 1/10W J 120kΩ 1/16W J
 ∆C903	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K	R293	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
∆C904 ∆C905	QCZ9054-102 QCZ9054-102	C CAPACITOR C CAPACITOR	1000pF AC250V Z 1000pF AC250V Z	R301 R302	NRSA63J-222X NRSA63J-222X	MG RESISTOR MG RESISTOR	2.2kΩ 1/16W J 2.2kΩ 1/16W J
∆ C906	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	R303	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C907 △C908	QEZ0644-567 QCZ9054-102	E CAPACITOR C CAPACITOR	560uF 200V K 1000pF AC250V Z	R304 R305	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J
C912	QCZ0340-222	C CAPACITOR	2200pF 2kV K	R306	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C913 C914	QFLC1HJ-471Z QETN1HM-107Z	M CAPACITOR E CAPACITOR	470pF 50V J 100uF 50V M	R318 R319	NRSA63J-472X NRSA63J-102X	MG RESISTOR MG RESISTOR	4.7kΩ 1/16W J 1kΩ 1/16W J
C916	NDC31HJ-331X	C CAPACITOR	330pF 50V J	R352	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C917 C918	NCB31HK-182X NCB21HK-104X	C CAPACITOR C CAPACITOR	1800pF 50V K 0.1uF 50V K	R354 R355	NRSA63J-0R0X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 0Ω 1/16W J
C919	QFP32GJ-103	PP CAPACITOR	0.01uF 400V J	R356	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J

ΔRef No.	Part No.	Part Name	Description Local	ΔRef No.	Part No.	Part Name	Description Local
R358	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R639	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R359	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R640	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R360	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R641	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R421	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	R644	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J
R426	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R645	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J
R427	QRT029J-1R0	MF RESISTOR	1Ω 2W J	R647	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R431	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R648	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R432	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R649	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R433	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R650	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R434	QRL029J-221	OMF RESISTOR	220Ω 2W J	R651	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R446	QRE121J-272Y	C RESISTOR	2.7kΩ 1/2W J 100kΩ 1/16W J	R652	NRSA63J-0R0X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 0Ω 1/16W J
R447 R449	NRSA63J-104X NRSA63J-822X	MG RESISTOR MG RESISTOR	8.2kΩ 1/16W J	R653 R656	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R451	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R657	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R452	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R700	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R701	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R502	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	R702	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R503	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J	R704	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R504	QRL039J-152	OMF RESISTOR OMF RESISTOR	1.5kΩ 3W J	R705	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R505	QRL039J-152		1.5kΩ 3W J	R706	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R506	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R707	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R508	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R708	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R509	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R709	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R511	QRE121J-220Y	C RESISTOR	22Ω 1/2W J	R715	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R512	QRE121J-681Y	C RESISTOR	680Ω 1/2W J	R718	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R513	QRL039J-273	OMF RESISTOR	27kΩ 3W J	R721	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R515	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R728	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R516	QRZ0221-2R0	OMF RESISTOR	2Ω 7W K	R729	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R524	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	R731	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R526	QRE121J-272Y	C RESISTOR	2.7kΩ 1/2W J	R732	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R527	QRE121J-124Y	C RESISTOR	120kΩ 1/2W J	R733	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R528	QRE121J-154Y	C RESISTOR	150kΩ 1/2W J	R734	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R529	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	R739	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
∆ R531	QRJ146J-391X	UNF C RESISTOR	390Ω 1/4W J	R740	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R532	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	R764	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R533	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	R765	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R534	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	R766	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
∆R535	NRVA02D-242X	CMF RESISTOR	2.4kΩ 1/10W D	R767	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
∆R537	NRVA02D-752X	CMF RESISTOR	7.5kΩ 1/10W D	R769	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R538	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R772	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R541	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R811	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R543	QRE121J-122Y	C RESISTOR	1.2kΩ 1/2W J	R812	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R544	QRE121J-392Y	C RESISTOR	3.9kΩ 1/2W J	R816	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J
R545	QRE121J-822Y	C RESISTOR	8.2kΩ 1/2W J	R821	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J
R546	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	R822	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R547	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R827	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R548	QRE121J-152Y	C RESISTOR	1.5kΩ 1/2W J	R857	QRL029J-820	OMF RESISTOR	82Ω 2W J
R553	QRL039J-390	OMF RESISTOR	39Ω 3W J	R901	QRF074K-1R2	UNF WW RESISTOR	1.2Ω 7W K
∆ R554	QRK126J-150X	UNF C RESISTOR	15Ω 1/2W J	R909	QRG01GJ-470	OMF RESISTOR	47Ω 1W J
R555	QRX029J-1R0	MF RESISTOR	1Ω 2W J	R911	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R556	QRX029J-1R0	MF RESISTOR	1Ω 2W J	R912	QRT029J-R18	MF RESISTOR	0.18Ω 2W J
R561	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R913	QRT029J-R15	MF RESISTOR	0.15Ω 2W J
R562	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	∆ R914	QRK126J-681X	UNF C RESISTOR	680Ω 1/2W J
R581	QRE121J-100Y	C RESISTOR	10Ω 1/2W J	∆ R915	QRK129J-6R8	UNF C RESISTOR	6.8Ω 1/2W J
R582	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	∆ R917	QRK126J-332X	UNF C RESISTOR	3.3kΩ 1/2W J
R583	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	R918	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J
R584	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	R919	QRE121J-684Y	C RESISTOR	680kΩ 1/2W J
R585	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R924	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J
R586	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	R930	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R587	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R939	QRT039J-1R5	MF RESISTOR	1.5Ω 3W J
R588	QRE121J-100Y	C RESISTOR	10Ω 1/2W J	R940	QRE121J-181Y	C RESISTOR	180Ω 1/2W J
R589	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R941	QRL029J-183	OMF RESISTOR	18kΩ 2W J
R590	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R950	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
∆ R591	QRJ149J-220	UNF C RESISTOR	22Ω 1/4W J	R951	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R592	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	R952	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R593	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R953	QRE121J-820Y	C RESISTOR	82Ω 1/2W J
R594	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	R973	QRE121J-272Y	C RESISTOR	2.7kΩ 1/2W J
R595	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R975	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R601	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R977	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J
R602	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R978	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R603	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R979	QRT029J-1R0	MF RESISTOR	1Ω 2W J
R610	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R980	QRT029J-1R0	MF RESISTOR	1Ω 2W J
R611	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	∆ R998	QRZ9041-275	C RESISTOR	2.7MΩ 1/2W K
R612	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R999	QRE121J-121Y	C RESISTOR	120Ω 1/2W J
R621 R622	NRSA63J-332X NRSA63J-822X	MG RESISTOR MG RESISTOR	3.3kΩ 1/16W J 8.2kΩ 1/16W J	L001	QQL244K-560Z	COIL	56uH K
R623	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	L101	QQLZ014-R22	COIL	0.22uH 100mA L
R624	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	L113	QQL244K-4R7Z	COIL	4.7uH K
R626	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	L131	QQL244K-150Z	COIL	15uH K
R627	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	L161	QQL244K-220Z	COIL	22uH K
R628	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J	L232	QQL244K-560Z	COIL	56uH K
R629	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J	L241	QQL244K-220Z	COIL	22uH K
R631	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	L391	QQL244K-220Z	COIL	22uH K
R632	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	L511	QQR1027-005	LINEARITY COIL	820uH K
R633	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	L512	QQLZ036-821	COIL	
R637	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L521	QQLZ026-800	COIL	80uH ±7%
R638	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L701	QQL244K-220Z	COIL	22uH K

ÆRef No.	Part No.	Part Name	Description Local	⚠Ref No.	Part No.	Part Name	Description Local
L702 L703 L704 L705	QQL244K-220Z QQL244K-220Z QQL244K-220Z QQL244K-220Z	COIL COIL COIL COIL	22uH K 22uH K 22uH K 22uH K	C2753 C2761 C2771	QFZ0122-103 QFZ0122-682 QETN1HM-106Z	MPP CAPACITOR MPP CAPACITOR E CAPACITOR	0.01uF 1.8kV H 6800pF 1.8kV H 10uF 50V M
L931 L933 L937 L940 T111 T501 AT921	QQL26AK-470Z QQL26AK-470Z QQL26AK-470Z QQR0582-001Z QQR0582-001Z QQR0907-001 CE42034-002 QQS0225-001 QQT0372-001	COIL COIL COIL FERRITE BEADS IFT HOR DRIVE TRANS SW TRANSF POWER TRANSF	47uH K 47uH K 47uH K 47uH K	R2701 R2702 R2703 R2751 R2752 R2753 R2754 R2755 R2756	QRG01GJ-220 QRE121J-123Y QRZ0056-103Z NRSA63J-473X NRSA63J-822X NRSA63J-122X NRSA63J-103X NRSA63J-103X NRSA63J-123X	OMF RESISTOR C RESISTOR COMP RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR	22Ω 1W J 12kΩ 1/2W J 10kΩ 1/2W K 47kΩ 1/16W J 8.2kΩ 1/16W J 1.2kΩ 1/16W J 10kΩ 1/16W J 56kΩ 1/16W J 12kΩ 1/16W J
CF001 CF131 CF161 CN001 CN004 CN005 CN007 CN00C CN00K	QAX0349-001 QAX0639-001Z QAX0642-001Z QGB1505J1-35 QGA2501C5-07Z QGA2501C5-06Z QGA2501C5-06Z QGA2501F1-06 QGA2501C5-05Z	C TRAP C TRAP C FILTER CONNECTOR CONNECTOR CONNECTOR CONNECTOR CONNECTOR CONNECTOR CONNECTOR	47.25MHz 4.500MHz 4.500MHz B-B (1-35) W-B (1-7) W-B (1-6) W-B (1-6) W-B (1-5)	R2757 R2758 R2761 R2762 R2763 R2764 R2765 R2771	NRSA63J-472X NRSA63J-124X QRE121J-184Y QRE121J-184Y QRE121J-184Y QRE121J-184Y QRE121J-184Y QRL039J-223	MG RESISTOR MG RESISTOR C RESISTOR C RESISTOR C RESISTOR C RESISTOR C RESISTOR C RESISTOR OMF RESISTOR	4.7kΩ 1/16W J 120kΩ 1/16W J 180kΩ 1/2W J 180kΩ 1/2W J 180kΩ 1/2W J 180kΩ 1/2W J 180kΩ 1/2W J 22kΩ 3W J
CN00Q CN0CP CN0E1	QGA2501C5-03Z CE41507-001P CE41507-001P	CONNECTOR LV CONNECTOR LV CONNECTOR	W-B (1-3)	L2701 T2701	QQLZ028-272 QQR1153-001	COIL DAF TRANSF	2.7mH
CN0E3 CN0HV CN0S1 CN0SS ⚠CP932 ⚠CP933	CE41507-001P QGZ5004C1-06 QGA2501C5-05Z QGA2501C5-04Z ICP-N70-T ICP-N70-T	LV CONNECTOR CONNECTOR CONNECTOR CONNECTOR IC PROTECTOR IC PROTECTOR	(1-6) W-B (1-5) W-B (1-4) 2.5A 2.5A	CN200K CN200Q CN20CP CN2DAF	WJA0028-001A WJA0026-001A QUB573-26A6FX CE41507-001P	E-S ID WIRE E-S ID WIRE SIN TWIST WIRE LV CONNECTOR	
	ICP-N70-T QMF51N1-5R0-J5	IC PROTECTOR FUSE	2.5A 5A AC125V	CRT SO	CKET P.W. BO	OARD ASS'Y (S	6GJ-3504A-M2)
▲F905 FC901 FC902	QMFZ049-5R0Z-E CEMG002-001Z CEMG002-001Z	FUSE FUSE CLIP FUSE CLIP	5A 125V	Ref No.	Part No.	Part Name	Description Local
▲FR525▲FR527HS001HS002HS003HS004HS005HS007	QRZ9017-4R7 QRZ9011-470 LC32313-001A LC31948-001A LC31677-001A CEHE015-001WU CM42862-00G-H CEHT11B-002QS	FUSI RESISTOR FUSI RESISTOR HEAT SINK/AL-F/ HEAT SINK/AL-F/ HEAT SINK/AL-F/ HEAT SINK HEAT SINK ASSY HEAT SINK	4.7Ω 1/4W J 47Ω 1/2W J	Q3103 Q3105 Q3106 Q3107 Q3108 Q3109 Q3151 Q3152	2SA933AS/QR/-T 2SC1740S/QR/-T 2SA933AS/QR/-T 2SA1964/DE/ 2SC5248/DE/ 2SC1740S/QR/-T 2SC1740S/QR/-T 2SA933AS/QR/-T	TRANSISTOR TRANSISTOR TRANSISTOR POW TRANSISTOR POW TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	
J601 J810 K401 K912 K916 K917 K918 K920 K931	QNN0349-002 QNS0001-001 QQR0621-002Z QQR0582-001Z QQR0582-001Z QQR0582-001Z QQR0582-001Z QQR0872-002 QQR0582-001Z	PIN JACK 3.5 JACK FERRITE BEADS FERRITE BEADS FERRITE BEADS FERRITE BEADS FERRITE BEADS FERRITE BEADS FERRITE BEADS	COMP IN AV COMPLINK III	Q3152 Q3301 Q3302 Q3303 Q3304 Q3305 Q3306 Q3351	2SA933AS/QR/-1 2SC5083/L-P/-T 2SC5083/L-P/-T 2SC5083/L-P/-T 2SC5147/CDE/F43 2SC5147/CDE/F43 2SC5147/CDE/F43 2SA933AS/QR/-T	TRANSISTOR TRANSISTOR TRANSISTOR POW TRANSISTOR POW TRANSISTOR POW TRANSISTOR TRANSISTOR	
K932 K933 K935 K937 LC601 LC602 LC603 ALF901 ALF902 ARY951 SF101 ATH901	QR0582-001Z QR0582-001Z QR0582-001Z QR0582-001Z QR1199-001 QR1199-001 QR1199-001 QQR1159-001 QQR0527-004 QSK0085-001 QAX0723-001 QAD0132-3R0	FERRITE BEADS FERRITE BEADS FERRITE BEADS FERRITE BEADS EMI FILTER EMI FILTER EMI FILTER LINE FILTER LINE FILTER RELAY SAW FILTER P THERMISTOR	3Ω	D3101 D3105 D3106 D3301 D3302 D3303 D3304 D3305 D3306 D3311 D3312 D3313	1SS133-T2 RH1S-T3 RH1S-T3 1SS133-T2 1SS133-T2 1SS133-T2 1SS82-T2 1SS82-T2 1SS82-T2 MTZJ3.6B-T2 1SS133-T2 MTZJ4.3A-T2	DIODE SI DIODE SI DIODE DIODE DIODE SI DIODE SI DIODE SI DIODE Z DIODE Z DIODE Z DIODE	
ΔTU001 ΔVA901 X701	QAU0274-001 ERZV10V621CS QAX0717-001Z	TUNER ZNR CRYSTAL	8.000MHz	D3314 D3331 D3351 D3352 D3353 D3354	188133-T2 188133-T2 188133-T2 188133-T2 188133-T2 188133-T2 188133-T2	DIODE DIODE DIODE DIODE DIODE DIODE DIODE DIODE	
DAF P.V	V. BOARD AS	S'Y (SGJ-2503A	-M2)	D3361	RM2C-LFA1	SI DIODE	
Ref No.	Part No.	Part Name	Description Local	C3101 C3109	QETN1HM-106Z QETN1CM-107Z	E CAPACITOR E CAPACITOR	10uF 50V M 100uF 16V M
Q2751 Q2752 Q2753	2SD601A/QR/-X 2SD601A/QR/-X 2SC4632	TRANSISTOR TRANSISTOR POW TRANSISTOR		C3110 C3111 C3113 C3114 C3115	NDC31HJ-221X NDC31HJ-221X QETN2CM-106Z QCB32HK-472Z QCB32HK-472Z	C CAPACITOR C CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR	220pF 50V J 220pF 50V J 10uF 160V M 4700pF 500V K 4700pF 500V K
D2761 D2762 D2771	ES1F-LFG2 ES1F-LFG2 MTZJ33A-T2	SI DIODE SI DIODE Z DIODE		C3117 C3118 C3119 C3120	QETN2CM-106Z QETN0JM-107Z QETN1AM-107Z QETN1AM-337Z	E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR	10uF 160V M 100uF 6.3V M 100uF 10V M 330uF 10V M
C2701 C2751 C2752	QFV71HJ-104Z QFLC1HJ-333Z QETN1EM-476Z	MF CAPACITOR M CAPACITOR E CAPACITOR	0.1uF 50V J 0.033uF 50V J 47uF 25V M	C3121 C3122 C3125	QCS32HJ-151Z NDC31HJ-5R0X NRSA63J-0R0X	C CAPACITOR C CAPACITOR C CAPACITOR MG RESISTOR	150pF 500V J 5pF 50V J 0Ω 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
C3151 C3152 C3301 C3302 C3303 C3321 C3322 C3323 C3351 C3361 C3363	NCB21EK-104X NCB21EK-104X NDC31HJ-561X NDC31HJ-561X NDC31HJ-561X QETN2EM-105Z QETN2EM-105Z QETN1CM-477Z QETN1CM-337Z QETN1CM-337Z QETN2EM-105Z QCZ0324-102	C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR	0.1uF 25V K 0.1uF 25V K 560pF 50V J 390pF 50V J 560pF 50V J 1uF 250V M 1uF 250V M 470uF 16V M 330uF 16V M 1uF 250V M
R3108 R3111 R3114 R3115 R3116 R3117 R3116 R3117 R3118 R3122 R3123 R3124 R3125 R3126 R3127 R3128 R3129 R3130 R3131 R3132 R3134 R3136 R3139 R3142 R3143 R3145 R3146 R3151 R3152 R3153 R3154 R3301 R3302 R3303 R3304 R3305 R3307 R3308 R3309 R3311 R3312 R3315 R3315 R3316 R3307 R3308 R3307 R3308 R3309 R3311 R3312 R3313 R3311 R3312 R3311 R3312 R3333 R3351 R3316 R3317 R3318 R3316 R3317 R33318 R3316 R3317 R33318 R3316 R3317 R33318 R3316 R3317 R33318 R3351 R3352 R33331 R3352 R33331 R3355 R33531 R3355 R3356 R3357 R3358 R3356 R3357 R3358	NRSA63J-0R0X NRSA63J-332X QRJ146J-100X NRSA63J-32X QRJ146J-100X NRSA63J-470X NRSA63J-470X NRSA63J-121X QRZ9021-561 NRSA63J-121X QRZ9021-561 NRSA63J-563X NRSA63J-563X NRSA63J-563X NRSA63J-563X NRSA63J-563X NRSA63J-121X QRL029J-391 NRSA63J-563X NRSA63J-121X QRL029J-391 NRSA63J-121X QRL029J-391 NRSA63J-565X NRSA63J-390X NRSA63J-121X QRL029J-391 NRSA63J-121X QRL029J-391 NRSA63J-151X	MG RESISTOR OMF RESISTOR OMF RESISTOR OMF RESISTOR OMF RESISTOR MG RESISTOR	0Ω 1/16W J 3.3kΩ 1/16W J 10Ω 1/4W J 47Ω 1/16W J 47Ω 1/16W J 47Ω 1/16W J 120Ω 1/16W J 560Ω 1W J 1.2kΩ 1/16W J 566Ω 1/16W J 56kΩ 1/16W J 56kΩ 1/16W J 56kΩ 1/16W J 1.2kΩ 1/16W J
L3302 L3303 L3304 L3305 L3306	QQL244K-180Z QQL244K-180Z QQL244K-470Z QQL244K-470Z QQL244K-470Z	COIL COIL COIL COIL COIL	18uH K 18uH K 18uH K 47uH K 47uH K 47uH K
CN3004	QJB003-074022	SIN ID C-B WIRE	

⚠Ref No.	Part No.	Part Name	Description Loca
CN3005 CN300V CN30E2 CN30E4 HS3010 HS3011 HS3012 HS3013 HS3014 K3102 K3103 K3104 K3105	WJA0029-002A QGA2501C5-03Z QUB130-46A6AS QUB130-46A6AS CEHP00N-001QS CEHP00N-001QS CEHP00N-001QS CEHP00N-001QS CEHP00N-001QS CE41492-001Z CE41492-001Z CE41492-001Z CE41492-001Z CE41492-001Z CE41492-001Z CE41492-001Z	E-S ID WIRE CONNECTOR SIN TWIST WIRE SIN TWIST WIRE HEAT SINK HEAT SINK HEAT SINK HEAT SINK HEAT SINK CHOKE COIL CHOKE COIL CHOKE COIL CHOKE COIL CRT SOCKET	W-B (1-3)
<u></u>	OL72010-001	OIL OOOKLI	

AV SELECTOR P.W. BOARD ASS'Y (SGJ-5502A-M2)

REFER TO PARTS LIST IN PAGE 3-10 FOR THIS P.W. BOARD.

FRONT CONTROL P.W. BOARD ASS'Y (SGJ-6502A-M2)

⚠Ref No.	Part No.	Part Name	Description Loca
C6401	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C6402	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C6403	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
R6401	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R6402	NRSA63J-224X		220kΩ 1/16W J
R6403	NRSA63J-224X		220kΩ 1/16W J
R6702	NRSA63J-102X		1kΩ 1/16W J
R6703	NRSA63J-102X		1kΩ 1/16W J
R6704	NRSA63J-152X		1.5kΩ 1/16W J
R6705	NRSA63J-272X		2.7kΩ 1/16W J
R6706	NRSA63J-562X		5.6kΩ 1/16W J
CN6006 CN6007 CN600B J6401 J6402 J6403 LC6401 S6702 S6703 S6704 S6705 S6706	QJB003-054010 QJB003-064426 QJB003-050806 QNN0281-003 QNN0281-002 QNN0282-001 QQR1199-001 QSW0619-003Z QSW0619-003Z QSW0619-003Z QSW0619-003Z QSW0619-003Z	SIN ID C-B WIRE SIN ID C-B WIRE SIN ID C-B WIRE PIN JACK PIN JACK PIN JACK EMI FILTER TACT SWITCH TACT SWITCH TACT SWITCH TACT SWITCH TACT SWITCH	V IN L IN R IN MENU CH- CH+ VOL- VOL+

LED & POWER SW P.W. BOARD ASS'Y (SGJ-7502A-M2)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

PRINTED WIRING BOARD PARTS LIST [AV-32FA44/AZA]

MAIN F	.W. BOARD AS	S'Y (SGJ-1510A-M2)		⚠Ref No.	Part No.	Part Name	Description Local
⚠Ref No.	Part No.	Part Name	Description Local	D708	MTZJ5.6B-T2	Z DIODE	
IC101 IC201 IC421 IC502 IC621 IC702 IC703 IC704 IC851 IC852 IC853 ALC911 ALC921	M52342SP TM8812CSDNG4RR3 LA7841 CXA1875AM-X AN5277 AT24C04W-32FA44 S-80840CNY-T AN78L05-T AN7812F AN7809F AN7805F STR-F6626/F3 SE135N	IC B IC(MCU) IC	(SERVICE)	D709 D723 D810 D910 D911 D912 D913 D914 D915 D917 D918 D920 D931	MTZJ5.6B-T2 MTZJ5.6B-T2 MTZJ5.6B-T2 GSIB460-S1 MA700A-T2 RGP10J-5025-T3 RGP10J-5025-T3 RSJ33-T2 SARS01-T2 MTZJ30A-T2 MTZJ30A-T2 RSJ33-T2 RSJ33-T2 RSJ33-T2	Z DIODE Z DIODE Z DIODE BRIDGE DIODE SB DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE Z DIODE Z DIODE Z DIODE Z DIODE SI DIODE Z DIODE Z DIODE SI DIODE SI DIODE Z DIODE SI DIODE SI DIODE	
Q001 Q101 Q131 Q161 Q211 Q232 Q233 Q352 Q353 Q431 Q451 Q501 Δ\Q511	UN2212-X 2SC5083/L-P/-T 2SB709A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X UN2212-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X	DIGI TRANSISTOR DIGI TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	н оит	D933 D935 D937 D941 D945 D952 D953 D954 D955 D956 D957 D972	RU3YX-LFC4 RU3YX-LFC4 RU3YX-LFC4 MTZJ33A-T2 MTZJ9.1B-T2 1SS133-T2 1SR35-400A-T2 1SR35-400A-T2 1SR35-400A-T2 1SR35-400A-T2 1SR35-400A-T2 1SR35-400A-T2	SI DIODE SI DIODE SI DIODE Z DIODE Z DIODE DIODE DIODE SI DIODE Z DIODE DIODE SI DIODE SI DIODE SI DIODE SI DIODE	
Q531 Q532 Q541 Q542 Q543 Q622 Q623 Q624 Q625 Q626 Q627 Q701 Q951 Q971	2SC2785/JH/-T 2SB709A/QR/-X 2SB709A/QR/-X 2SB709A/QR/-X 2SD1408/OY/-LB 2SD601A/QR/-X UN2212-X 2SB709A/QR/-X 2SB709A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD709A/QR/-X 2SD1383K/AB/-X 2SA1208/ST/Z1-T	SI TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR POW TRANSISTOR DIGI TRANSISTOR		© C101 C003 C004 C006 C101 C102 C104 C105 C106 C107 C113 C114 C116	TLP421F/D4-GR/ QETN1HM-475Z QETN1HM-106Z QETN1CM-108Z QETN1EM-476Z NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X QETN1EM-476Z NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X	PHOTO COUPLER E CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR MF CAPACITOR	4.7uF 50V M 10uF 50V M 1000uF 16V M 47uF 25V M 0.01uF 50V K 0.01uF 50V K 0.01uF 50V K 0.01uF 50V K 47uF 25V M 0.01uF 50V K 0.01uF 50V K 0.01uF 50V K 0.01uF 50V K
D305 D306 D307 D308 D309 D310 D352 D353 D354 D421 D431 D432 D501 D502 D521 D523 D524 D525 D526 D527 D529 ★D531 D537 D601 D602 D603 D621 D622 D603 D621 D622 D627 D630 D631 D653 D700 D701 D703 D704 D705 D706 D707	1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2 MTZJ9.1C-T2 1SS133-T2 MTZJ3.3A-T2 1N4003-T2 1SR35-400A-T2 1SR33-T2 RH3G-F1 RU3AM-LFC4 RH15-T3 EL1Z-T3 EL1Z-T3 EL1Z-T3 1SS81-T5 1SS81-T5 1SR124-400A-T2 MTZJ9.1C-T2 MA4068N/Z1/-T2 1SS133-T2 1SR35-400A-T2 MTZJ9.1C-T2 SS133-T2 1SS133-T2 MTZJ5.6B-T2 1SS133-T2 MTZJ5.6B-T2	DIODE SI DIODE		C117 C118 C119 C120 C124 C131 C161 C163 C164 C165 C166 C202 C203 C211 C212 C221 C222 C223 C233 C237 C241 C242 C243 C284 C281 C282 C283 C288 C302 C364 C287 C288 C302 C352 C354 C391 C392 C422 C428	QETN1EM-476Z NCB31HK-103X NDC31HJ-681X QETN1HM-474Z NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HJ-470X NDC31HJ-470X NCB31HK-103X NCB31HK-103X QETN1HM-105Z NCB31HK-103X QETN1HM-106Z QFVF1HJ-104Z NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X QETN1HM-225Z QETN1CM-107Z NCB31HK-103X QETN1HM-225Z QETN1CM-107Z NCB31HK-103X QETN1HM-225Z NCB31HK-103X QETN1HM-225Z NCB31HK-103X QETN1HM-06Z QETN1CM-107Z NCB31HK-103X QETN1HM-06Z QETN1CM-107Z NCB31HK-103X QETN1HM-106Z QETN1CM-107Z NCB31HK-103X	E CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR C C C C C C C C C C C C C C C C C C C	47uF 25V M 0.01uF 50V K 680pF 50V J 0.47uF 50V M 0.01uF 50V K 0.01uF 50V K 10uF 50V M 47pF 50V J 47pF 50V J 0.01uF 50V K 0.01uF 50V K 10uF 50V M 1500pF 50V K 10uF 16V M 10pF 50V J 0.01uF 50V K 0.01uF 50V K 0.01uF 50V W 10uF 50V J 0.01uF 50V M 0.1uF 50V J 0.01uF 50V M 0.1uF 50V J 0.01uF 50V J 0.01uF 50V W 0.01uF 50V W 0.01uF 50V K 2.2uF 50V M 0.01uF 50V K 2.2uF 50V M 0.01uF 50V K 0.47uF 50V J 100uF 16V M 0.01uF 50V K 0.47uF 50V J 0.01uF 50V K 0.47uF 50V J 0.01uF 50V K 0.47uF 50V J 0.01uF 50V K 0.1uF 50V K 10uF 16V M 0.01uF 50V K 10uF 16V M 0.01uF 50V K 10uF 50V K 10uF 50V K 10uF 50V K 10uF 50V K 0.1uF 50V K 10uF 50V K 0.1uF 50V K

Ref No.	Part No.	Part Name	Description Local	Ref No.	Part No.	Part Name	Description Local
C429	QETN1HM-105Z	E CAPACITOR	1uF 50V M	C934	NDC31HJ-221X	C CAPACITOR	220pF 50V J
C431	QFLC2AK-563Z	M CAPACITOR	0.056uF 100V K	C935	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C432	QETN1EM-476Z	E CAPACITOR	47uF 25V M	C937	QCZ0340-102	C CAPACITOR	1000pF 2kV K
C433	QETN1EM-476Z	E CAPACITOR	47uF 25V M	C938	QETN1CM-108Z	E CAPACITOR	1000uF 16V M
C435	NCB21HK-183X	C CAPACITOR	0.018uF 50V K	C939	QCB32HK-152Z	C CAPACITOR	1500pF 500V K
C440	QCS32HJ-180Z	C CAPACITOR	18pF 500V J	C941	QCB32HK-102Z	C CAPACITOR	1000pF 500V K
C501	QCB32HK-151Z	C CAPACITOR	150pF 500V K	C942	QEHR1HM-105Z	E CAPACITOR	1uF 50V M
C502	QCB32HK-331Z	C CAPACITOR	330pF 500V K	C943	QETN1CM-108Z	E CAPACITOR	1000uF 16V M
C503	QEHR2CM-105Z	E CAPACITOR	1uF 160V M	C951	QETN1EM-477Z	E CAPACITOR	470uF 25V M
C504	QEZ0203-107	E CAPACITOR	100uF 160V M	C952	QETN1CM-227Z	E CAPACITOR	220uF 16V M
C507	QEZ0195-475Z	BP E CAPACITOR	4.7uF 50V M	C971	QETN1CM-107Z	E CAPACITOR	100uF 16V M
⚠C510	QFZ0200-622	MPP CAPACITOR	6200pF 1.5kV H	C972	QETN1EM-476Z	E CAPACITOR	47uF 25V M
⚠C513	QFZ0198-133	MPP CAPACITOR	0.013uF 1.5kV H	C973	QEHR1HM-106Z	E CAPACITOR	10uF 50V M
C514	QFP32GJ-273	PP CAPACITOR	0.027uF 400V J	△C997	QCZ9052-102	C CAPACITOR	1000pF AC125V M
C516	QCB32HK-561Z	C CAPACITOR	560pF 500V K	△C998	QCZ9074-103	C CAPACITOR	0.01uF AC250V M
C521	QETN2EM-106Z	E CAPACITOR	10uF 250V M	△C999	QCZ9074-103	C CAPACITOR	0.01uF AC250V M
C523 C524 C525	QETN1EM-108Z QETN1EM-108Z QETN1VM-107Z	E CAPACITOR E CAPACITOR E CAPACITOR	1000uF 25V M 1000uF 25V M 100uF 35V M	R002 R003	NRSA63J-0R0X NRSA63J-101X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 100Ω 1/16W J
C526	QFV21HJ-824Z	MF CAPACITOR	0.82uF 50V J	R004	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C527	QFLC2AJ-103Z	M CAPACITOR	0.01uF 100V J	R005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C533	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R008	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J
C561	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R009	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C562	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R101	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
C601	QETN1EM-476Z	E CAPACITOR	47uF 25V M	R102	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
C602	QETN1EM-476Z	E CAPACITOR	47uF 25V M	R103	QRE121J-101Y	C RESISTOR	100Ω 1/2W J
C603	QETN1EM-476Z	E CAPACITOR	47uF 25V M	R104	NRSA63J-180X	MG RESISTOR	18Ω 1/16W J
C609	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	R105	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J
C610	QFVF1HJ-104Z	MF CAPACITOR MF CAPACITOR C CAPACITOR	0.1uF 50V J	R111	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J
C611	QFVF1HJ-104Z		0.1uF 50V J	R112	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J
C621	NCB31HK-102X		1000pF 50V K	R113	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C622	NCF21CZ-105X	C CAPACITOR	1uF 16V Z	R115	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C623	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R116	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
C624	NCF21CZ-105X	C CAPACITOR	1uF 16V Z	R117	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
C625 C626 C627 C628	QETN1CM-107Z QETN1EM-108Z QETN1HM-474Z QETN1EM-108Z	E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR	100uF 16V M 1000uF 25V M 0.47uF 50V M 1000uF 25V M	R118 R131 R132 R133	NRSA63J-223X NRSA63J-102X NRSA63J-331X NRSA63J-821X	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR	22kΩ 1/16W J 1kΩ 1/16W J 330Ω 1/16W J
C629 C633 C636	QETN1EM-108Z QETN1EM-108Z QETN1CM-477Z QETN1HM-106Z	E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR	1000uF 25V M 1000uF 25V M 470uF 16V M 10uF 50V M	R134 R135 R161	NRSA63J-621X NRSA63J-561X NRSA63J-102X NRSA63J-332X	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR	820Ω 1/16W J 560Ω 1/16W J 1kΩ 1/16W J 3.3kΩ 1/16W J
C637 C641 C642	QETN1HM-106Z QETN1HM-475Z QETN1HM-475Z	E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR	10uF 50V M 10uF 50V M 4.7uF 50V M 4.7uF 50V M	R162 R163 R164	NRSA63J-0R0X NRSA63J-223X NRSA63J-102X	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR	0Ω 1/16W J 22kΩ 1/16W J 1kΩ 1/16W J
C643 C651 C652	QETN1HM-475Z QETN1HM-475Z QFV71HJ-124Z QFV71HJ-124Z	E CAPACITOR MF CAPACITOR MF CAPACITOR	4.7uF 50V M 4.7uF 50V M 0.12uF 50V J 0.12uF 50V J	R165 R166 R167	NRSA63J-223X NRSA63J-103X NRSA63J-102X	MG RESISTOR MG RESISTOR MG RESISTOR	22kΩ 1/16W J 10kΩ 1/16W J 1kΩ 1/16W J
C700	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R168	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C701	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R169	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
C702	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R171	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C703	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R201	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C704	QETN1CM-107Z	E CAPACITOR	10uF 16V M	R212	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
C705	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R215	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
C706	QETN1HM-105Z	E CAPACITOR	1uF 50V M	R216	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
C708	NDC31HJ-220X	C CAPACITOR	22pF 50V J	R217	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C709	NDC31HJ-220X	C CAPACITOR	22pF 50V J	R222	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C711	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R227	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C712	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R231	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
C716	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R237	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
C728	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R238	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C807	QETN1AM-477Z	E CAPACITOR	470uF 10V M	R241	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C813	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R243	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
C815	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R281	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
C851	QETN1EM-107Z	E CAPACITOR	100uF 25V M	R282	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
C852	QETN1EM-107Z	E CAPACITOR	100uF 25V M	R283	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
C853	QETN1CM-227Z	E CAPACITOR	220uF 16V M	R286	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C854	QETN1CM-227Z	E CAPACITOR	220uF 16V M	R287	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C856	QETN1CM-227Z	E CAPACITOR	220uF 16V M	R288	NRSA02J-471X	MG RESISTOR	470Ω 1/10W J
C857	QETN1CM-477Z	E CAPACITOR	470uF 16V M	R289	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J
⚠C901	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K	R290	NRSA02J-561X	MG RESISTOR	560Ω 1/10W J
⚠C902	QFZ9072-473	MM CAPACITOR	0.047uF AC250V K	R292	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J
⚠C903	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K	R293	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
⚠C904	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	R301	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
⚠C905	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	R302	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
△C906	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	R303	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C907	QEZ0644-567	E CAPACITOR	560uF 200V K	R304	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
△C908	QCZ9079-102	C CAPACITOR	1000pF AC250V M	R305	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C912	QCZ0340-222	C CAPACITOR	2200pF 2kV K	R306	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C913	QFLC1HJ-471Z	M CAPACITOR	470pF 50V J	R318	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C914	QETN1HM-107Z	E CAPACITOR	100uF 50V M	R319	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C916	NDC31HJ-331X	C CAPACITOR	330pF 50V J	R352	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C917 C918 C919	NCB31HK-182X NCB21HK-104X QFP32GJ-103	C CAPACITOR C CAPACITOR PP CAPACITOR	1800pF 50V K 0.1uF 50V K 0.01uF 400V J	R354 R355 R356	NRSA63J-0R0X NRSA63J-0R0X NRSA63J-123X	MG RESISTOR MG RESISTOR MG RESISTOR	0Ω 1/16W J 0Ω 1/16W J 0Ω 1/16W J 12kΩ 1/16W J
C931	QEZ0203-227	E CAPACITOR	220uF 160V M	R358	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C932	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	R359	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C933	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	R360	NCB31HK-103X	C CAPACITOR	0.01uF 50V K

Ref No.	Part No.	Part Name	Description Local	Ref No.	Part No.	Part Name	Description Local
D404	NRSA63J-822X	MC DECISTOR	9.2kO 1/16W I	R641	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R421 R426	NRSA63J-103X	MG RESISTOR MG RESISTOR	8.2kΩ 1/16W J 10kΩ 1/16W J	R644	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J
R427	QRT029J-1R2	MF RESISTOR	1.2Ω 2W J	R645	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J
R428 R431	QRE121J-120Y NRSA63J-103X	C RESISTOR MG RESISTOR	12Ω 1/2W J 10kΩ 1/16W J	R647 R648	NRSA63J-102X NRSA63J-562X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 5.6kΩ 1/16W J
R432	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R649	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R433 R434	NRSA63J-332X QRL029J-221	MG RESISTOR OMF RESISTOR	3.3kΩ 1/16W J 220Ω 2W J	R650 R651	NRSA63J-101X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 0Ω 1/16W J
R446	QRE121J-272Y	C RESISTOR	2.7kΩ 1/2W J	R652	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R447 R449	NRSA63J-823X NRSA63J-822X	MG RESISTOR MG RESISTOR	82kΩ 1/16W J 8.2kΩ 1/16W J	R653 R656	NRSA63J-0R0X NRSA63J-101X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 100Ω 1/16W J
R451	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R657	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R452 R501	NRSA63J-103X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 0Ω 1/16W J	R700 R701	NRSA63J-102X NRSA63J-103X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 10kΩ 1/16W J
R502	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	R702	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R503 R504	QRE121J-103Y QRL039J-152	C RESISTOR OMF RESISTOR	10kΩ 1/2W J 1.5kΩ 3W J	R704 R705	NRSA63J-472X NRSA63J-472X	MG RESISTOR MG RESISTOR	4.7kΩ 1/16W J 4.7kΩ 1/16W J
R505	QRL039J-152 QRL039J-152	OMF RESISTOR	1.5kΩ 3W J	R706	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R506	NRSA63J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J	R707	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R508 R509	NRSA63J-0R0X NRSA63J-221X	MG RESISTOR	0Ω 1/16W J 220Ω 1/16W J	R708 R709	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J
R511	QRE121J-220Y	C RESISTOR	22Ω 1/2W J	R715	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R512 R515	QRE121J-681Y NRSA63J-221X	C RESISTOR MG RESISTOR	680Ω 1/2W J 220Ω 1/16W J	R718 R721	NRSA63J-223X NRSA63J-102X	MG RESISTOR MG RESISTOR	22kΩ 1/16W J 1kΩ 1/16W J
R516	QRZ0221-2R0	OMF RESISTOR	2Ω 7W K	R728	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R517 R524	NRSA63J-0R0X NRSA63J-563X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 56kΩ 1/16W J	R729 R731	NRSA63J-223X NRSA63J-101X	MG RESISTOR MG RESISTOR	22kΩ 1/16W J 100Ω 1/16W J
R526	QRE121J-272Y	C RESISTOR	2.7kΩ 1/2W J	R732	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R527 R528	QRE121J-154Y QRE121J-154Y	C RESISTOR C RESISTOR	150kΩ 1/2W J 150kΩ 1/2W J	R733 R734	NRSA63J-472X NRSA63J-472X	MG RESISTOR MG RESISTOR	4.7kΩ 1/16W J 4.7kΩ 1/16W J
R529	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	R739	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
∆ R531 R532	QRJ146J-391X NRSA63J-273X	UNF C RESISTOR MG RESISTOR	390Ω 1/4W J 27kΩ 1/16W J	R740 R764	NRSA63J-103X NRSA63J-221X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 220Ω 1/16W J
R533	NRSA63J-123X	MG RESISTOR	27kΩ 1/16W J 12kΩ 1/16W J	R764 R765	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J 220Ω 1/16W J
R534	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	R766	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
∆ R535 ∆ R537	NRVA02D-242X NRVA02D-752X	CMF RESISTOR CMF RESISTOR	2.4kΩ 1/10W D 7.5kΩ 1/10W D	R767 R769	NRSA63J-221X NRSA63J-682X	MG RESISTOR MG RESISTOR	220Ω 1/16W J 6.8kΩ 1/16W J
R538	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R772	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R541 R543	NRSA63J-102X QRE121J-122Y	MG RESISTOR C RESISTOR	1kΩ 1/16W J 1.2kΩ 1/2W J	R811 R812	NRSA63J-473X NRSA63J-102X	MG RESISTOR MG RESISTOR	47kΩ 1/16W J 1kΩ 1/16W J
R544	QRE121J-392Y	C RESISTOR	3.9kΩ 1/2W J	R816	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J
R545 R546	QRE121J-822Y NRSA63J-331X	C RESISTOR MG RESISTOR	8.2kΩ 1/2W J 330Ω 1/16W J	R821 R822	NRSA63J-184X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	180kΩ 1/16W J 0Ω 1/16W J
R547	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R827	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R548 R553	QRE121J-152Y QRL039J-390	C RESISTOR OMF RESISTOR	1.5kΩ 1/2W J 39Ω 3W J	R857 R901	QRL029J-820 QRF074K-1R2	OMF RESISTOR UNF WW RESISTOR	82Ω 2W J 1.2Ω 7W K
 ⚠R554	QRK126J-150X	UNF C RESISTOR	15Ω 1/2W J	R909	QRG01GJ-470	OMF RESISTOR	47Ω 1W J
R555 R556	QRX029J-1R0 QRX029J-1R0	MF RESISTOR MF RESISTOR	1Ω 2W J 1Ω 2W J	R911 R912	QRE121J-223Y QRT029J-R18	C RESISTOR MF RESISTOR	22kΩ 1/2W J 0.18Ω 2W J
R561	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R913	QRT029J-R15	MF RESISTOR	0.15Ω 2W J
R562 R581	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	 AR914	QRK126J-681X	UNF C RESISTOR UNF C RESISTOR	680Ω 1/2W J
R582	QRE121J-100Y NRSA63J-124X	C RESISTOR MG RESISTOR	10Ω 1/2W J 120kΩ 1/16W J	∆ R915 ∆ R917	QRK129J-6R8 QRK126J-332X	UNF C RESISTOR	6.8Ω 1/2W J 3.3kΩ 1/2W J
R583	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	R918	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J 680kΩ 1/2W J
R584 R585	NRSA63J-563X NRSA63J-472X	MG RESISTOR MG RESISTOR	56kΩ 1/16W J 4.7kΩ 1/16W J	R919 R924	QRE121J-684Y QRE121J-222Y	C RESISTOR C RESISTOR	2.2kΩ 1/2W J
R586	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	R930	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R587 R588	NRSA63J-104X QRE121J-100Y	MG RESISTOR C RESISTOR	100kΩ 1/16W J 10Ω 1/2W J	R939 R940	QRT039J-1R5 QRE121J-181Y	MF RESISTOR C RESISTOR	1.5Ω 3W J 180Ω 1/2W J
R589	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R941	QRL029J-183	OMF RESISTOR	18kΩ 2W J
R590 ∆ R591	NRSA63J-682X QRJ149J-220	MG RESISTOR UNF C RESISTOR	6.8kΩ 1/16W J 22Ω 1/4W J	R950 R951	NRSA63J-0R0X NRSA63J-473X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 47kΩ 1/16W J
R592	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	R952	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R593 R594	NRSA63J-104X NRSA63J-272X	MG RESISTOR MG RESISTOR	100kΩ 1/16W J 2.7kΩ 1/16W J	R953 R973	QRE121J-820Y QRE121J-272Y	C RESISTOR C RESISTOR	82Ω 1/2W J 2.7kΩ 1/2W J
R595	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R975	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R601 R602	NRSA63J-750X NRSA63J-750X	MG RESISTOR MG RESISTOR	75Ω 1/16W J 75Ω 1/16W J	R977 R978	QRE121J-473Y NRSA63J-333X	C RESISTOR MG RESISTOR	47kΩ 1/2W J 33kΩ 1/16W J
R603	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R979	QRT029J-1R0	MF RESISTOR	1Ω 2W J
R610 R611	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J	R980 ∆ R998	QRT029J-1R0 QRZ9041-275	MF RESISTOR C RESISTOR	1Ω 2W J 2.7MΩ 1/2W K
R612	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R999	QRE121J-121Y	C RESISTOR	120Ω 1/2W J
R621	NRSA63J-332X	MG RESISTOR MG RESISTOR	3.3kΩ 1/16W J	L001	OOL 244K E607	COII	ECULI I/
R622 R623	NRSA63J-822X NRSA63J-332X	MG RESISTOR	8.2kΩ 1/16W J 3.3kΩ 1/16W J	L101	QQL244K-560Z QQLZ014-R22	COIL COIL	56uH K 0.22uH 100mA L
R624	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	L113	QQL244K-4R7Z	COIL	4.7uH K
R626 R627	NRSA63J-223X NRSA63J-223X	MG RESISTOR MG RESISTOR	22kΩ 1/16W J 22kΩ 1/16W J	L131 L161	QQL244K-150Z QQL244K-220Z	COIL COIL	15uH K 22uH K
R628	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J	L232	QQL244K-560Z	COIL	56uH K
R629 R631	QRK126J-102X NRSA63J-333X	UNF C RESISTOR MG RESISTOR	1kΩ 1/2W J 33kΩ 1/16W J	L241 L391	QQL244K-220Z QQL244K-220Z	COIL COIL	22uH K 22uH K
R632	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	L511	QQR1027-006	LINEARITY COIL	
R633 R637	NRSA63J-562X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	5.6kΩ 1/16W J 0Ω 1/16W J	L512 L521	QQLZ033-802 QQLZ026-101	COIL COIL	8mH 100uH ±7%
R638	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L701	QQL244K-220Z	COIL	22uH K
R639 R640	NRSA63J-0R0X NRSA63J-103X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 10kΩ 1/16W J	L702 L703	QQL244K-220Z QQL244K-220Z	COIL COIL	22uH K 22uH K
N040	MIZONOOU-100A	NO NEOLOTOR	10NV J	LIUS	WWLZ44N-ZZUZ	OOIL	ZZUN N

⚠Ref No.	Part No.	Part Name	Description Local	Ref No.	Part No.	Part Name	Description Local
L704 L705 L931 L933	QQL244K-220Z QQL244K-220Z QQL26AK-470Z QQL26AK-470Z	COIL COIL COIL COIL	22uH K 22uH K 47uH K 47uH K	C2753 C2761 C2771	QFZ0122-103 QFZ0122-682 QETN1HM-106Z	MPP CAPACITOR MPP CAPACITOR E CAPACITOR	0.01uF 1.8kV H 6800pF 1.8kV H 10uF 50V M
L937 L940 T111 T501 ▲T921	QQL26AK-470Z QQR0582-001Z QQR0907-001 CE42034-002 QQS0225-001 QQT0372-001	COIL FERRITE BEADS IFT HOR DRIVE TRANS SW TRANSF POWER TRANSF	47uH K	R2701 R2702 R2703 R2751 R2752 R2753 R2754	QRG01GJ-220 QRE121J-123Y QRZ0056-103Z NRSA63J-473X NRSA63J-822X NRSA63J-122X NRSA63J-103X	OMF RESISTOR C RESISTOR COMP RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR	22Ω 1W J 12kΩ 1/2W J 10kΩ 1/2W K 47kΩ 1/16W J 8.2kΩ 1/16W J 1.2kΩ 1/16W J 10kΩ 1/16W J
CF001 CF131 CF161 CN001 CN004 CN005 CN007 CN008 CN009 CN00C CN00K	QAX0349-001 QAX0639-001Z QAX0642-001Z QGB1505J1-35 QGA2501C5-07Z QGA2501C5-06Z WJM0212-003A QJB003-033626 QGA2501F1-06 QGA2501C5-05Z	C TRAP C TRAP C FILTER CONNECTOR CONNECTOR CONNECTOR CONNECTOR E-SI C WIRE C-F SIN ID C-B WIRE CONNECTOR CONNECTOR	47.25MHz 4.500MHz 4.500MHz B-B (1-35) W-B (1-7) W-B (1-6) W-B (1-6) W-B (1-6) W-B (1-5)	R2755 R2756 R2757 R2758 R2761 R2762 R2763 R2764 R2765 R2771	NRSA63J-563X NRSA63J-123X NRSA63J-472X NRSA63J-124X QRE121J-184Y QRE121J-184Y QRE121J-184Y QRE121J-184Y QRE121J-184Y QRE121J-184Y QRL039J-223	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR C RESISTOR OMF RESISTOR	56kΩ 1/16W J 12kΩ 1/16W J 4.7kΩ 1/16W J 120kΩ 1/16W J 180kΩ 1/2W J 180kΩ 1/2W J 180kΩ 1/2W J 180kΩ 1/2W J 180kΩ 1/2W J 180kΩ 1/2W J 22kΩ 3W J
CN00Q CN0CP CN0E1	QGA2501C5-03Z CE41507-001P CE41507-001P	CONNECTOR LV CONNECTOR LV CONNECTOR	W-B (1-3)	L2701 T2701	QQLZ028-272 QQR1153-001	COIL DAF TRANSF	2.7mH
CN0E3 CN0HV CN0S1 CN0SS ▲CP932 ▲CP933	CE41507-001P QGZ5004C1-06 QGA2501C5-05Z QGA2501C5-04Z ICP-N70-T ICP-N70-T	LV CONNECTOR CONNECTOR CONNECTOR CONNECTOR IC PROTECTOR IC PROTECTOR	(1-6) W-B (1-5) W-B (1-4) 2.5A 2.5A	CN200K CN200Q CN20CP CN2DAF	WJA0028-001A WJA0026-001A QUB573-26A6FX CE41507-001P	E-S ID WIRE E-S ID WIRE SIN TWIST WIRE LV CONNECTOR	
△CP936 △F901	ICP-N70-T QMF51N1-5R0-J5 QMFZ049-5R0Z-E	IC PROTECTOR FUSE	2.5A 5A AC125V 5A 125V	CRT SC	CKET P.W. BO	DARD ASS'Y (S	GJ-3503A-M2)
	CEMG002-001Z CEMG002-001Z	FUSE FUSE CLIP FUSE CLIP	5A 125V	ΔRef No.	Part No.	Part Name	Description Local
▲FR525 ▲FR527 HS001 HS002 HS003 HS004 HS005 HS007 J601 J810 K401 K912 K916 K917 K918 K920	QRZ9017-4R7 QRZ9011-470 LC32313-001A LC31948-001A LC31677-001A CEHE015-001WU CM42862-00G-H CEHT11B-002QS QNN0349-002 QNS0001-001 QQR0521-002Z QQR0582-001Z QQR0582-001Z QQR0582-001Z QQR0582-001Z QQR0582-001Z QQR0582-001Z QQR0582-001Z	FUSI RESISTOR FUSI RESISTOR FUSI RESISTOR HEAT SINK/AL-F/ HEAT SINK/AL-F/ HEAT SINK AL-F/ HEAT SINK HEAT SINK PIN JACK 3.5 JACK FERRITE BEADS	4.7Ω 1/4W J 47Ω 1/2W J COMP IN AV COMPLINK III	Q3103 Q3105 Q3106 Q3107 Q3108 Q3109 Q3151 Q3152 Q3301 Q3302 Q3303 Q3304 Q3305 Q3306 Q3351	2SA933AS/QR/-T 2SC1740S/QR/-T 2SA933AS/QR/-T 2SA933AS/QR/-T 2SC5248/DE/ 2SC5248/DE/ 2SC1740S/QR/-T 2SC1740S/QR/-T 2SC5083/L-P/-T 2SC5083/L-P/-T 2SC5083/L-P/-T 2SC5043/L-P/-T 2SC5147/CDE/F43 2SC5147/CDE/F43 2SC5147/CDE/F43	TRANSISTOR TRANSISTOR TRANSISTOR POW TRANSISTOR POW TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR POW TRANSISTOR POW TRANSISTOR POW TRANSISTOR POW TRANSISTOR TRANSISTOR	
K931 K932 K933 K935 K937 LC601 LC602 LC603 ALF901 ALF902 ARY951 SF101 ATH901 ATU001 XVA901 X701	QQR0582-001Z QQR0582-001Z QQR0582-001Z QQR0582-001Z QQR0582-001Z QQR1199-001 QQR1199-001 QQR1199-001 QQR0527-004 QSK0085-001 QAX0723-001 QAX0723-001 QAD0132-3R0 QAU0274-001 ERZV10V621CS QAX0717-001Z	FERRITE BEADS FERRITE BEADS FERRITE BEADS FERRITE BEADS FERRITE BEADS FERRITE BEADS EMI FILTER EMI FILTER EMI FILTER LINE FILTER LINE FILTER RELAY SAW FILTER P THERMISTOR TUNER ZNR CRYSTAL	3Ω 8.000MHz	D3101 D3105 D3106 D3301 D3302 D3303 D3304 D3305 D3306 D3311 D3312 D3313 D3314 D3351 D3352 D3353 D3353	1SS133-T2 RH1S-T3 RH1S-T3 1SS133-T2 1SS133-T2 1SS133-T2 1SS82-T2 1SS82-T2 MTZJ3.6B-T2 1SS133-T2 MTZJ4.3A-T2 1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2	DIODE SI DIODE SI DIODE DIODE DIODE DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE DIODE DIODE DIODE SI DIODE SI DIODE DIODE	
	Part No.	Part Name	Description Local	C3101	QETN1HM-106Z	E CAPACITOR	10uF 50V M
Q2751 Q2752 Q2753 D2761 D2762 D2771	2SD601A/QR/-X 2SD601A/QR/-X 2SC4632 ES1F-LFG2 ES1F-LFG2 MTZJ33A-T2 QFV74HJ-104Z	TRANSISTOR TRANSISTOR POW TRANSISTOR SI DIODE SI DIODE Z DIODE MF CAPACITOR	0.1uF 50V J	C3109 C3110 C3111 C3113 C3114 C3115 C3117 C3118 C3119 C3120 C3121	QETN1CM-107Z NDC31HJ-221X NDC31HJ-221X QETN2CM-106Z QCB32HK-472Z QCB32HK-472Z QETN2CM-106Z QETN0JM-107Z QETN1AM-337Z QCS32HJ-151Z	E CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR	100uF 16V M 220pF 50V J 220pF 50V J 10uF 160V M 4700pF 500V K 4700pF 500V K 10uF 160V M 100uF 6.3V M 100uF 10V M 330uF 10V M
C2751 C2752	QFLC1HJ-333Z QETN1EM-476Z	M CAPACITOR E CAPACITOR	0.033uF 50V J 47uF 25V M	C3122 C3125	NDC31HJ-5R0X NRSA63J-0R0X	C CAPACITOR MG RESISTOR	5pF 50V J 0Ω 1/16W J

Ref No.	Part No.	Part Name	Description Local	Ref No.	Part No.	Part Name	Description I
C3151 C3152 C3301 C3302 C3303 C3321 C3322 C3323 C3351 C3361 C3363	NCB21EK-104X NCB21EK-104X NDC31HJ-561X NDC31HJ-391X NDC31HJ-561X QETN2EM-105Z QETN2EM-105Z QETN1CM-477Z QETN1CM-337Z QETN2EM-105Z QCZ0324-102	C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR	0.1uF 25V K 0.1uF 25V K 560pF 50V J 390pF 50V J 560pF 50V J 1uF 250V M 1uF 250V M 470uF 16V M 330uF 16V M 1uF 250V M 1000pF 3kV P	CN30E4 HS3010 HS3011 HS3012 HS3013 HS3014 K3102 K3103 K3104 K3105 \triangle SK3001	QUB130-42A6AS CEHP00N-001QS CEHP00N-001QS CEHP00N-001QS CEHP00N-001QS CEHP00N-001QS CE41492-001Z CE41492-001Z CE41492-001Z CE41492-001Z CE41492-001Z CE41492-001Z	SIN TWIST WIRE HEAT SINK HEAT SINK HEAT SINK HEAT SINK HEAT SINK CHOKE COIL	
R3108 R3111 R3114 R3115 R3116 R3117 R3119 ▲R3122 R3123 R3124 R3125 R3126 R3127 R3127 R3128 R3129 R3130 R3131	NRSA63J-0R0X NRSA63J-332X QRJ146J-100X NRSA63J-470X NRSA63J-470X NRSA63J-102X NRSA63J-121X QRZ9021-561 NRSA63J-122X NRSA63J-566X NRSA63J-563X NRSA63J-563X NRSA63J-563X NRSA63J-122X NRSA63J-566X NRSA63J-566X NRSA63J-566X NRSA63J-390X NRSA63J-390X NRSA63J-121X QRL029J-391	MG RESISTOR MG RESISTOR UNF C RESISTOR MG RESISTOR OMF RESISTOR	0Ω 1/16W J 3.3kΩ 1/16W J 10Ω 1/4W J 47Ω 1/16W J 47Ω 1/16W J 1kΩ 1/16W J 120Ω 1/16W J 560Ω 1W J 1.2kΩ 1/16W J 39Ω 1/16W J 56kΩ 1/16W J 56kΩ 1/16W J 56kΩ 1/16W J 56kΩ 1/16W J 1.2kΩ 1/16W J	FRONT (SGJ-65) REFER T	O PARTS LIST IN CONTROL P. 602A-M2) O PARTS LIST IN POWER SW P.	BOARD ASS'Y (PAGE 3-10 FOR TO W. BOARD ASS PAGE 3-21 FOR TO W. BOARD ASS	HIS P.W. BOARD. S'Y HIS P.W. BOARD.
R3134 R3136 R3139 R3142 R3143 R3145 R3145 R3146 R3151 R3152 R3153 R3154 R3302 R3303 R3304 R3306 R3307 R3308 R3307 R3310 R3311 R3312 R3313 R3314 R3315 R3315 R3316 R3317 R3318 R3325 R3336 R3337 R3318 R3325 R3336 R3337 R3336 R3337 R3338 R3336 R3337 R3318 R3325 R3336 R3337 R3336 R3337 R3338 R3336 R3337 R3336 R3337 R3336 R3337 R3336 R3337 R3336 R3337 R3338 R3351 R3352 R3353 R3352 R3353 R3354 R3352 R3353 R3354 R3352 R3353 R3354 R3352 R3353 R3354 R3355 R3356 R3356 R3356 R3356 R3356 R3356 R3356 R3357 R3356 R356 R	URLU29J-93J NRSA63J-922X NRSA63J-681X NRSA63J-124X NRSA63J-124X NRSA63J-124X NRSA63J-1566X NRSA63J-5R6X NRSA63J-5R6X NRSA63J-473X NRSA63J-151X NRSA63J-151X NRSA63J-151X NRSA63J-151X NRSA63J-151X NRSA63J-121X NRSA63J-121X NRSA63J-121X NRSA63J-121X NRSA63J-121X NRSA63J-121X NRSA63J-121X NRSA63J-121X NRSA63J-170X NRSA63J-170X NRSA63J-170X NRSA63J-170X NRSA63J-170X NRSA63J-183 QRG029J-183 QR	OMF RESISTOR MG RESISTOR OMF RESISTOR MG RESISTOR	390Ω 2W J 2.2kΩ 1/16W J 33kΩ 1/16W J 680Ω 1/16W J 120kΩ 1/16W J 680Ω 1/16W J 5.6Ω 1/16W J 5.6Ω 1/16W J 5.6Ω 1/16W J 47kΩ 1/16W J 68kΩ 1/16W J 47kΩ 1/16W J 150Ω 1/16W J 120Ω 1/16W J 15KΩ 2W J 15kΩ 2W J 15kΩ 2W J 15kΩ 2W J 16kΩ 1/16W J 0Ω 1/16W J 1kΩ 1/16W J	•	602A-M2) O PARTS LIST IN	I PAGE 3-11 FOR T	HIS P.W. BOARD.
R3363 L3301 L3302 L3303 L3304 L3305 L3306	QRC121K-474Z QQL244K-180Z QQL244K-180Z QQL244K-470Z QQL244K-470Z QQL244K-470Z QQL244K-470Z	COMP RESISTOR COIL COIL COIL COIL COIL COIL COIL	470kΩ 1/2W K 18uH K 18uH K 18uH K 47uH K 47uH K 47uH K				
CN3004 CN3005 CN300V CN30E2	QJB003-073632 WJA0029-002A QGA2501C5-03Z QUB130-42A6AS	SIN ID C-B WIRE E-S ID WIRE CONNECTOR SIN TWIST WIRE	W-B (1-3)				

Description Local

ASS'Y

PRINTED WIRING BOARD PARTS LIST [AV-36FA44/AYA]

MAIN P	.W. BOARD AS	SS'Y (SGJ-1507A-M2)		⚠Ref No.	Part No.	Part Name	Description Local
Ref No. IC101 IC201	Part No. M52342SP TM8812CSDNG4RR3		Description Local	D704 D705 D706 D707	MTZJ5.6B-T2 1SS133-T2 MTZJ5.6B-T2 MTZJ5.6B-T2	Z DIODE DIODE Z DIODE Z DIODE	
IC421 IC501 IC502 IC621 IC702 IC703 IC704 IC851 IC852 IC852 IC853 ▲IC911	LA7841 LA6515 CXA1875AM-X AN5277 AT24C04W-32FA44 S-80840CNV-T AN78L05-T AN7812F AN7809F AN7805F STR-F6626/F3 SE135N	10 10 10 10 10 10 10 10 10 10	(SERVICE)	D708 D709 D723 D810 AD901 D910 D911 D912 D913 D914 D915 D917	MTZJ5.6B-T2 MTZJ5.6B-T2 MTZJ5.6B-T2 MTZJ5.6B-T2 GSIB460-S1 MA700A-T2 GGP10J-5025-T3 RGP10J-5025-T3 RGP10J-5025-T3 1SS133-T2 SARS01-T2 MTZJ30A-T2	Z DIODE Z DIODE Z DIODE Z DIODE BRIDGE DIODE SB DIODE SI DIODE DIODE Z DIODE Z DIODE	
Q001 Q101 Q131 Q161 Q211 Q232 Q233 Q352 Q353 Q431 Q451 Q501 AQ511 Q531 Q531 Q532 Q541	UN2212-X 2SC5083/L-P/-T 2SB709A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X UN2212-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SC2785/JH/-T 2SB709A/QR/-X 2SB709A/QR/-X	DIGI TRANSISTOR SI TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	н оит	D918 D920 D931 D933 D935 D937 D941 D945 D952 D953 D954 D955 D956 D957 D972 D973	MTZJ5.1C-T2 1SS133-T2 RU30A-F1 RU3YX-LFC4 RU3YX-LFC4 MTZJ33A-T2 MTZJ9.1B-T2 1SS133-T2 1SS133-T2 1SR35-400A-T2 1SR35-400A-T2 1SR35-400A-T2 1SR35-400A-T2 1SR35-400A-T2 1SR35-400A-T2	Z DIODE DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE Z DIODE Z DIODE DIODE DIODE SI DIODE Z DIODE DIODE	
Q542 Q543	2SB709A/QR/-X 2SB709A/QR/-X 2SD1408/OY/-LB	TRANSISTOR POW TRANSISTOR		⚠ PC921	TLP421F/D4-GR/	PHOTO COUPLER	
Q551 Q552 Q622 Q623 Q624 Q625 Q626 Q627 Q701 Q951 Q971	2SC1740S/QR/-T 2SA966/OY/-T 2SD601A/QR/-X UN2212-X 2SB709A/QR/-X 2SB709A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD1383K/AB/-X 2SA1208/ST/Z1-T	TRANSISTOR TRANSISTOR TRANSISTOR DIGI TRANSISTOR		C001 C003 C004 C006 C101 C102 C104 C105 C106 C107 C113 C114	QETN1HM-475Z QETN1HM-106Z QETN1CM-108Z QETN1EM-476Z NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X QETN1EM-476Z NCB31HK-103X NCB31HK-103X NCB31HK-103X	E CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR	4.7uF 50V M 10uF 50V M 1000uF 16V M 47uF 25V M 0.01uF 50V K 0.01uF 50V K 0.01uF 50V K 47uF 25V M 0.01uF 50V K 0.01uF 50V K 0.01uF 50V K 0.01uF 50V K
D305 D306 D307 D308 D309 D310 D352 D353 D354 D421 D431 D432 D501 D502 D507 D521 D523 D524 D525 D526 D527 D526 D527 D630 D601 D602 D603 D621 D602 D603 D601 D701 D703	1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2 MTZJ9.1C-T2 1SS133-T2 MTZJ3.3A-T2 1N4003-T2 1SR35-400A-T2 1SR33-T2 RH3G-F1 RU3AM-LFC4 RGP10J-5025-T3 RH1S-T3 EL1Z-T3 EL1Z-T3 1SS81-T5 1SR124-400A-T2 MTZJ9.1C-T2 MA4068N/Z1/-T2 1SS133-T2 1SR35-400A-T2 MTZJ9.1C-T2 MTZJ9.1C-T2 MTZJ9.1C-T2 SS133-T2 1SS133-T2 MTZJ5.6B-T2	DIODE SI DIODE		C116 C117 C118 C119 C120 C124 C131 C163 C164 C165 C166 C202 C203 C211 C212 C221 C222 C223 C233 C237 C241 C242 C243 C244 C281 C242 C248 C285 C286 C287 C288 C302 C352 C354 C391	QFVF1HJ-224Z QETN1EM-476Z NCB31HK-103X NDC31HJ-681X QETN1HM-474Z NCB31HK-103X NCB31HK-103X QETN1HM-106Z NDC31HJ-470X NDC31HJ-470X NCB31HK-103X QETN1HM-105Z NCB31HK-103X QETN1HM-105Z NCB31HK-103X QETN1HM-106Z QFVF1HJ-100X QETN1HM-106Z QFVF1HJ-104Z NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X QETN1HM-225Z QETN1CM-107Z NCB31HK-103X QETN1HM-225Z QETN1CM-107Z NCB31HK-103X QETN1HM-225Z NCB31HK-103X QETN1HM-106Z QETN1CM-107Z NCB31HK-103X QETN1HM-106Z QETN1CM-107Z NCB31HK-103X QETN1HM-106Z QETN1CM-107Z NCB31HK-103X QETN1HM-106Z QETN1CM-107Z NCB31HK-103X QETN1CM-107Z	MF CAPACITOR E CAPACITOR C CAPACITOR E CAPACITOR C CAPACITOR BP E CAPACITOR BP E CAPACITOR C C C C C C C C C C C C C C C C C C C	0.22uF 50V J 47uF 25V M 0.01uF 50V K 680pF 50V J 0.47uF 50V M 0.01uF 50V K 0.01uF 50V K 10uF 50V M 47pF 50V J 47pF 50V J 47pF 50V J 0.01uF 50V K 0.01uF 50V K 10uF 50V M 1500pF 50V K 10uF 50V M 1500pF 50V K 10uF 16V M 10pF 50V J 0.01uF 50V M 0.1uF 50V J 0.01uF 50V M 0.1uF 50V M 0.1uF 50V M 0.1uF 50V M 0.01uF 50V K 2.2uF 50V M 100uF 16V M 0.01uF 50V K 2.2uF 50V M 0.01uF 50V K 0.47uF 50V J 100uF 16V M 0.01uF 50V K 0.10uF 50V K

⚠Ref No.	Part No.	Part Name	Description Local	Ref No.	Part No.	Part Name	Description Local
C392	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C913	QFLC1HJ-471Z	M CAPACITOR	470pF 50V J
C422	QFN32AK-102Z	M CAPACITOR	1000pF 100V K	C914	QETN1HM-107Z	E CAPACITOR	100uF 50V M
C424 C428	QETN1VM-107Z QEHQ1VM-108	E CAPACITOR E CAPACITOR	100uF 35V M 1000uF 35V M	C916 C917	NDC31HJ-331X NCB31HK-182X	C CAPACITOR C CAPACITOR	330pF 50V J 1800pF 50V K
C428	QETN1HM-105Z	E CAPACITOR E CAPACITOR	1uF 50V M	C917	NCB21HK-104X	C CAPACITOR	0.1uF 50V K
C431	QFLC2AK-563Z	M CAPACITOR	0.056uF 100V K	C919	QFP32GJ-103	PP CAPACITOR	0.01uF 400V J
C432 C433	QETN1EM-476Z QETN1EM-476Z	E CAPACITOR E CAPACITOR	47uF 25V M 47uF 25V M	C931 C932	QEZ0203-227 QETN1EM-108Z	E CAPACITOR E CAPACITOR	220uF 160V M 1000uF 25V M
C435	NCB21HK-183X	C CAPACITOR	0.018uF 50V K	C933	QETN1CM-108Z	E CAPACITOR	1000uF 16V M
C440 C501	QCS32HJ-180Z QCB32HK-151Z	C CAPACITOR C CAPACITOR	18pF 500V J 150pF 500V K	C934 C935	NDC31HJ-221X QETN1VM-108Z	C CAPACITOR E CAPACITOR	220pF 50V J 1000uF 35V M
C502	QCB32HK-331Z	C CAPACITOR	330pF 500V K	C937	QCZ0340-102	C CAPACITOR	1000pF 2kV K
C503 C504	QEHR2CM-105Z QEZ0203-107	E CAPACITOR E CAPACITOR	1uF 160V M 100uF 160V M	C938 C939	QETN1CM-108Z QCB32HK-152Z	E CAPACITOR C CAPACITOR	1000uF 16V M 1500pF 500V K
C505	QENC2AM-225Z	BP E CAPACITOR	2.2uF 100V M	C941	QCB32HK-102Z	C CAPACITOR	1000pF 500V K
C507 ΔC510	QEZ0195-475Z QFZ0200-422	BP E CAPACITOR MPP CAPACITOR	4.7uF 50V M 4200pF 1.5kV H	C942 C943	QEHR1HM-105Z QETN1CM-108Z	E CAPACITOR E CAPACITOR	1uF 50V M 1000uF 16V M
ΔC513	QFZ0198-153	MPP CAPACITOR	. 0.015uF	C951	QETN1EM-477Z	E CAPACITOR	470uF 25V M
C514 C515	QFP32GJ-223 QFZ0199-474	PP CAPACITOR MPP CAPACITOR	0.022uF 400V J 0.47uF 250V J	C952 C971	QETN1CM-227Z QETN1CM-107Z	E CAPACITOR E CAPACITOR	220uF 16V M 100uF 16V M
C516	QCB32HK-561Z	C CAPACITOR	560pF 500V K	C972	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C521 C523	QETN2EM-106Z QETN1EM-108Z	E CAPACITOR E CAPACITOR	10uF 250V M 1000uF 25V M	C973 ∆ C997	QETN1HM-106Z QCZ9052-102	E CAPACITOR C CAPACITOR	10uF 50V M 1000pF AC125V M
C524	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	∆ C998	QCZ9074-103	C CAPACITOR	0.01uF AC250V M
C525 C526	QETN1VM-107Z QFV21HJ-824Z	E CAPACITOR MF CAPACITOR	100uF 35V M 0.82uF 50V J	∆ C999	QCZ9074-103	C CAPACITOR	0.01uF AC250V M
C527	QFLC2AJ-103Z	M CAPACITOR	0.01uF 100V J	R002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C533 C551	QETN1HM-106Z QFVF1HJ-474Z	E CAPACITOR MF CAPACITOR	10uF 50V M 0.47uF 50V J	R003 R004	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J
C552	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J	R005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C553 C561	QETN1EM-476Z NCB31HK-103X	E CAPACITOR C CAPACITOR	47uF 25V M 0.01uF 50V K	R008 R009	NRSA63J-820X NRSA63J-682X	MG RESISTOR MG RESISTOR	82Ω 1/16W J 6.8kΩ 1/16W J
C562	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R101	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
C601 C602	QETN1EM-476Z QETN1EM-476Z	E CAPACITOR E CAPACITOR	47uF 25V M 47uF 25V M	R102 R103	NRSA63J-182X QRE121J-101Y	MG RESISTOR C RESISTOR	1.8kΩ 1/16W J 100Ω 1/2W J
C603	QETN1EM-476Z	E CAPACITOR	47uF 25V M	R104	NRSA63J-180X	MG RESISTOR	18Ω 1/16W J
C609 C610	QFVF1HJ-104Z QFVF1HJ-104Z	MF CAPACITOR MF CAPACITOR	0.1uF 50V J 0.1uF 50V J	R105 R111	NRSA63J-270X NRSA63J-394X	MG RESISTOR MG RESISTOR	27Ω 1/16W J 390kΩ 1/16W J
C611	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	R112	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J
C621 C622	NCB31HK-102X NCF21CZ-105X	C CAPACITOR C CAPACITOR	1000pF 50V K 1uF 16V Z	R113 R115	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J
C623	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R116	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
C624 C625	NCF21CZ-105X QETN1VM-107Z	C CAPACITOR E CAPACITOR	1uF 16V Z 100uF 35V M	R117 R118	NRSA63J-273X NRSA63J-223X	MG RESISTOR MG RESISTOR	27kΩ 1/16W J 22kΩ 1/16W J
C626	QETN1VM-108Z	E CAPACITOR	1000uF 35V M	R131	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C627 C628	QETN1HM-474Z QETN1EM-108Z	E CAPACITOR E CAPACITOR	0.47uF 50V M 1000uF 25V M	R132 R133	NRSA63J-331X NRSA63J-821X	MG RESISTOR MG RESISTOR	330Ω 1/16W J 820Ω 1/16W J
C629	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	R134	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
C633 C636	QETN1CM-477Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	470uF 16V M 10uF 50V M	R135 R161	NRSA63J-102X NRSA63J-332X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 3.3kΩ 1/16W J
C637	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R162	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C638 C639	QFV71HJ-124Z QFV71HJ-124Z	MF CAPACITOR MF CAPACITOR	0.12uF 50V J 0.12uF 50V J	R163 R164	NRSA63J-223X NRSA63J-102X	MG RESISTOR MG RESISTOR	22kΩ 1/16W J 1kΩ 1/16W J
C641	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	R165	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C642 C643	QETN1HM-475Z QETN1EM-476Z	E CAPACITOR E CAPACITOR	4.7uF 50V M 47uF 25V M	R166 R167	NRSA63J-103X NRSA63J-102X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 1kΩ 1/16W J
C700	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R168	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C701 C702	QETN1HM-106Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	10uF 50V M 10uF 50V M	R169 R171	NRSA63J-561X NRSA63J-103X	MG RESISTOR MG RESISTOR	560Ω 1/16W J 10kΩ 1/16W J
C703	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R201	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C704 C705	QETN1CM-107Z NCB31HK-103X	E CAPACITOR C CAPACITOR	100uF 16V M 0.01uF 50V K	R212 R215	NRSA63J-272X NRSA63J-562X	MG RESISTOR MG RESISTOR	2.7kΩ 1/16W J 5.6kΩ 1/16W J
C706	QETN1HM-105Z	E CAPACITOR	1uF 50V M	R216	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
C708 C709	NDC31HJ-220X NDC31HJ-220X	C CAPACITOR C CAPACITOR	22pF 50V J 22pF 50V J	R217 R222	NRSA63J-102X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 0Ω 1/16W J
C711	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R227	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C712 C716	NCB31HK-103X QETN1HM-106Z	C CAPACITOR E CAPACITOR	0.01uF 50V K 10uF 50V M	R231 R237	NRSA63J-182X NRSA63J-392X	MG RESISTOR MG RESISTOR	1.8kΩ 1/16W J 3.9kΩ 1/16W J
C728	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R238	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C807 C813	QETN1AM-477Z NCB31HK-102X	E CAPACITOR C CAPACITOR	470uF 10V M 1000pF 50V K	R241 R243	NRSA63J-332X NRSA63J-152X	MG RESISTOR MG RESISTOR	3.3kΩ 1/16W J 1.5kΩ 1/16W J
C815	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R281	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
C851 C852	QETN1EM-107Z QETN1EM-107Z	E CAPACITOR E CAPACITOR	100uF 25V M 100uF 25V M	R282 R283	NRSA63J-392X NRSA63J-681X	MG RESISTOR MG RESISTOR	3.9kΩ 1/16W J 680Ω 1/16W J
C853	QETN1CM-227Z	E CAPACITOR	220uF 16V M	R286	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C854 C856	QETN1CM-227Z QETN1CM-227Z	E CAPACITOR E CAPACITOR	220uF 16V M 220uF 16V M	R287 R288	NRSA63J-101X NRSA02J-471X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 470Ω 1/10W J
C857	QETN1CM-477Z	E CAPACITOR	470uF 16V M	R289	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J
	QFZ9072-104 QFZ9072-473	MM CAPACITOR MM CAPACITOR	0.1uF AC250V K 0.047uF AC250V K	R290 R292	NRSA02J-561X NRSA63J-124X	MG RESISTOR MG RESISTOR	560Ω 1/10W J 120kΩ 1/16W J
△ C903	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K	R293	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
∆C904 ∆C905	QCZ9054-102 QCZ9054-102	C CAPACITOR C CAPACITOR	1000pF AC250V Z 1000pF AC250V Z	R301 R302	NRSA63J-222X NRSA63J-222X	MG RESISTOR MG RESISTOR	2.2kΩ 1/16W J 2.2kΩ 1/16W J
∆ C906	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	R303	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C907 ∆C908	QEZ0644-567 QCZ9054-102	E CAPACITOR C CAPACITOR	560uF 200V K 1000pF AC250V Z	R304 R305	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J
C912	QCZ0340-222	C CAPACITOR	2200pF 2kV K	R306	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J

ΔRef No.	Part No.	Part Name	Description Local	ΔRef No.	Part No.	Part Name	Description Local
R318	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R626	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R319	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R627	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R352	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R628	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J
R354	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R629	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J
R355	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R631	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R356	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	R632	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R358	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R633	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R359	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R637	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R360	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R638	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R421	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	R639	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R426	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R640	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R427	QRT029J-1R0	MF RESISTOR	1Ω 2W J	R641	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R431	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R644	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J
R432	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R645	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J
R433	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R647	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R434	QRL029J-221	OMF RESISTOR	220Ω 2W J	R648	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R446	QRE121J-272Y	C RESISTOR	2.7kΩ 1/2W J	R649	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R447	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R650	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R449	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	R651	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R451	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R652	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R452	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R653	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R656	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R502	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	R657	NRSA63J-101X NRSA63J-102X	MG RESISTOR	100Ω 1/16W J
R503	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J	R700	NRSA63J-103X	MG RESISTOR	1kΩ 1/16W J
R504	QRL039J-152	OMF RESISTOR	1.5kΩ 3W J	R701		MG RESISTOR	10kΩ 1/16W J
R505	QRL039J-152	OMF RESISTOR	1.5kΩ 3W J	R702	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R506	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R704	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R508	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R705	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R509	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R706	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R510	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R707	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R511	QRE121J-220Y	C RESISTOR	22Ω 1/2W J	R708	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R512	QRE121J-681Y	C RESISTOR	680Ω 1/2W J	R709	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R513	QRL039J-273	OMF RESISTOR	27kΩ 3W J	R715	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R514	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R718	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R515 R516	NRSA63J-221X	MG RESISTOR OMF RESISTOR	220Ω 1/16W J 2Ω 7W K	R721	NRSA63J-102X NRSA63J-102X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 1kΩ 1/16W J
R524	QRZ0221-2R0 NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	R728 R729	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R526	QRE121J-272Y	C RESISTOR	2.7kΩ 1/2W J	R731	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R527	QRE121J-124Y	C RESISTOR	120kΩ 1/2W J	R732	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R528	QRE121J-154Y	C RESISTOR	150kΩ 1/2W J	R733	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R529	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	R734	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
 ∆R531	QRJ146J-391X	UNF C RESISTOR	390Ω 1/4W J	R739	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R532	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	R740	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R533	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	R764	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R534	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	R765	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
∆ R535	NRVA02D-242X	CMF RESISTOR	2.4kΩ 1/10W D	R766	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
△R537	NRVA02D-752X	CMF RESISTOR	7.5kΩ 1/10W D	R767	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R538	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R769	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R541	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R772	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R543	QRE121J-122Y	C RESISTOR	1.2kΩ 1/2W J	R811	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R544	QRE121J-392Y	C RESISTOR	3.9kΩ 1/2W J	R812	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R545	QRE121J-822Y	C RESISTOR	8.2kΩ 1/2W J	R816	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J
R546	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	R821	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J
R547 R548	NRSA63J-104X QRE121J-152Y	MG RESISTOR	100kΩ 1/16W J 1.5kΩ 1/2W J	R822 R827	NRSA63J-0R0X NRSA63J-102X	MG RESISTOR	0Ω 1/16W J 1kΩ 1/16W J
R553	QRL039J-390	C RESISTOR OMF RESISTOR	39Ω 3W J	R857	QRL029J-820	MG RESISTOR OMF RESISTOR	82Ω 2W J
∆ R554	QRK126J-150X	UNF C RESISTOR	15Ω 1/2W J	R901	QRF074K-1R2	UNF WW RESISTOR OMF RESISTOR	1.2Ω 7W K
R555	QRX029J-1R0	MF RESISTOR	1Ω 2W J	R909	QRG01GJ-470		47Ω 1W J
R556	QRX029J-1R0	MF RESISTOR	1Ω 2W J	R911	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R558	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R912	QRT029J-R18	MF RESISTOR	0.18Ω 2W J
R561	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R913	QRT029J-R15	MF RESISTOR	0.15Ω 2W J
R562	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	∆ R914	QRK126J-681X	UNF C RESISTOR	680Ω 1/2W J
R581	QRE121J-100Y	C RESISTOR	10Ω 1/2W J	∆ R915	QRK129J-6R8	UNF C RESISTOR	6.8Ω 1/2W J
R582	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	∆ R917	QRK126J-332X	UNF C RESISTOR	3.3kΩ 1/2W J
R583	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	R918	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J
R584	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	R919	QRE121J-684Y	C RESISTOR	680kΩ 1/2W J
R585	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R924	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J
R586	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	R930	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R587	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R939	QRT039J-1R5	MF RESISTOR	1.5Ω 3W J
R588	QRE121J-100Y	C RESISTOR	10Ω 1/2W J	R940	QRE121J-181Y	C RESISTOR	180Ω 1/2W J
R589	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R941	QRL029J-183	OMF RESISTOR	18kΩ 2W J
R590	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R950	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
△R591	QRJ149J-220	UNF C RESISTOR	22Ω 1/4W J	R951	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R592	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	R952	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R593	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R953	QRE121J-820Y	C RESISTOR	82Ω 1/2W J
R594	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	R973	QRE121J-272Y	C RESISTOR	2.7kΩ 1/2W J
R595	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R975	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R601	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R977	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J
R602	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R978	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R603	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R979	QRT029J-1R0	MF RESISTOR	1Ω 2W J
R610	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R980	QRT029J-1R0	MF RESISTOR	1Ω 2W J
R611	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	∆ R998	QRZ9041-275	C RESISTOR	2.7MΩ 1/2W K
R612 R621	NRSA63J-101X NRSA63J-332X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 3.3kΩ 1/16W J	R999	QRE121J-121Y	C RESISTOR	120Ω 1/2W J
R622	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	L001	QQL244K-560Z	COIL	56uH K
R623	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	L101	QQLZ014-R22	COIL	0.22uH 100mA L
R624	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	L113	QQL244K-4R7Z	COIL	4.7uH K

ΔRef No.	Part No.	Part Name	Description Local	Ref No.	Part No.	Part Name	Description Local
L131 L161 L232	QQL244K-150Z QQL244K-220Z QQL244K-560Z	COIL COIL COIL	15uH K 22uH K 56uH K	Q2752 Q2753	2SD601A/QR/-X 2SC4632	TRANSISTOR POW TRANSISTOR	
L241 L391 L511	QQL244K-220Z QQL244K-220Z QQR1027-005	COIL COIL LINEARITY COIL	22uH K 22uH K	D2761 D2762 D2771	ES1F-LFG2 ES1F-LFG2 MTZJ33A-T2	SI DIODE SI DIODE Z DIODE	
L512 L521 L701 L702 L703 L704 L705 L931	QQLZ036-821 QQLZ026-800 QQL244K-220Z QQL244K-220Z QQL244K-220Z QQL244K-220Z QQL244K-220Z QQL246AK-470Z	COIL COIL COIL COIL COIL COIL COIL COIL	820uH K 80uH ±7% 22uH K 22uH K 22uH K 22uH K 22uH K 47uH K	C2701 C2751 C2752 C2753 C2761 C2771	QFV71HJ-104Z QFLC1HJ-333Z QETN1EM-476Z QFZ0122-103 QFZ0122-682 QETN1HM-106Z	MF CAPACITOR M CAPACITOR E CAPACITOR MPP CAPACITOR MPP CAPACITOR E CAPACITOR	0.1uF 50V J 0.033uF 50V J 47uF 25V M 0.01uF 1.8kV H 6800pF 1.8kV H 10uF 50V M
L933 L937 L940 T111 T501 AT921 AT951	QQL26AK-470Z QQL26AK-470Z QQR0582-001Z QQR0907-001 CE42034-002 QQS0225-001 QQT0372-001	COIL COIL FERRITE BEADS IFT HOR DRIVE TRANS SW TRANSF POWER TRANSF	47uH K 47uH K 47uH K	R2701 R2702 R2703 R2751 R2752 R2753 R2754 R2755	QRG01GJ-220 QRE121J-123Y QRZ0056-103Z NRSA63J-473X NRSA63J-822X NRSA63J-122X NRSA63J-103X NRSA63J-563X	OMF RESISTOR C RESISTOR COMP RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR	22Ω 1W J 12kΩ 1/2W J 10kΩ 1/2W K 47kΩ 1/16W J 8.2kΩ 1/16W J 1.2kΩ 1/16W J 10kΩ 1/16W J 56kΩ 1/16W J
CF001 CF131 CF161 CN001 CN004 CN005 CN007 CN00C CN00K	QAX0349-001 QAX0639-001Z QAX0642-001Z QGB1505J1-35 QGA2501C5-07Z QGA2501C5-06Z QGA2501C5-06Z QGA2501F1-06 QGA2501C5-05Z	C TRAP C TRAP C FILTER CONNECTOR CONNECTOR CONNECTOR CONNECTOR CONNECTOR CONNECTOR CONNECTOR CONNECTOR CONNECTOR	47.25MHz 4.500MHz 4.500MHz B-B (1-35) W-B (1-7) W-B (1-6) W-B (1-6) W-B (1-6) W-B (1-5)	R2756 R2757 R2758 R2761 R2762 R2763 R2764 R2765 R2771	NRSA63J-123X NRSA63J-124X NRSA63J-124X QRE121J-184Y QRE121J-184Y QRE121J-184Y QRE121J-184Y QRE121J-184Y QRE121J-184Y QRE121J-184Y QRL039J-223	MG RESISTOR MG RESISTOR MG RESISTOR C RESISTOR OMF RESISTOR	12kΩ 1/16W J 4.7kΩ 1/16W J 120kΩ 1/16W J 180kΩ 1/2W J 180kΩ 1/2W J 180kΩ 1/2W J 180kΩ 1/2W J 180kΩ 1/2W J 22kΩ 3W J
CN00Q CN0CP CN0E1	QGA2501C5-03Z CE41507-001P CE41507-001P	LV CONNECTOR LV CONNECTOR	W-B (1-3)	L2701 T2701	QQLZ028-272 QQR1153-001	COIL DAF TRANSF	2.7mH
CN0E3 CN0HV CN0S1 CN0SN CN0SS ACP932 ACP933 ACP936	CE41507-001P QGZ5004C1-06 QGA2501C5-05Z QGA2501C5-04Z QGA2501C5-04Z ICP-N70-T ICP-N70-T	LV CONNECTOR CONNECTOR CONNECTOR CONNECTOR CONNECTOR IC PROTECTOR IC PROTECTOR	(1-6) W-B (1-5) W-B (1-4) W-B (1-4) 2.5A 2.5A	CN200K CN200Q CN20CP CN2DAF	WJA0028-001A WJA0026-001A QUB573-26A6FX CE41507-001P	E-S ID WIRE E-S ID WIRE SIN TWIST WIRE LV CONNECTOR	
△CP936 △F901 △F905	ICP-N70-T QMF51N1-5R0-J5 QMFZ049-5R0Z-E	IC PROTECTOR FUSE FUSE	2.5A 5A AC125V 5A 125V	CRT SC	CKET P.W. B	OARD ASS'Y (S	GJ-3501A-M2)
FC901 FC902	CEMG002-001Z CEMG002-001Z	FUSE CLIP FUSE CLIP		∆Ref No.	Part No.	Part Name	Description Local
▲FR525 ▲FR527 HS001 HS002 HS003 HS004 HS005 HS007 J601	QRZ9017-4R7 QRZ9011-470 LC32313-001A LC31948-001A LC31677-001A CEHE015-001WU CM42862-00G-H CEHT11B-002QS QNN0349-002	FUSI RESISTOR FUSI RESISTOR HEAT SINK/AL-F/ HEAT SINK/AL-F/ HEAT SINK/AL-F/ HEAT SINK HEAT SINK HEAT SINK PIN JACK	4.7Ω 1/4W J 47Ω 1/2W J COMP IN	Q3103 Q3105 Q3106 Q3107 Q3108 Q3109 Q3151 Q3152	2SA933AS/QR/-T 2SC1740S/QR/-T 2SA933AS/QR/-T 2SA1964/DE/ 2SC5248/DE/ 2SC1740S/QR/-T 2SC1740S/QR/-T 2SA933AS/QR/-T	TRANSISTOR TRANSISTOR TRANSISTOR POW TRANSISTOR POW TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	
J810 K401 K912 K916 K917 K918 K920 K931	QNS0001-001 QQR0621-002Z QQR0582-001Z QQR0582-001Z QQR0582-001Z QQR0872-001Z QQR0872-002 QQR0582-001Z	3.5 JACK FERRITE BEADS	AV COMPLINK III	Q3301 Q3302 Q3303 Q3304 Q3305 Q3306 Q3351	2SC5083/L-P/-T 2SC5083/L-P/-T 2SC5083/L-P/-T 2SC5147/CDE/F43 2SC5147/CDE/F43 2SC5147/CDE/F43 2SA933AS/QR/-T	TRANSISTOR TRANSISTOR TRANSISTOR POW TRANSISTOR POW TRANSISTOR POW TRANSISTOR TRANSISTOR	
K932 K933 K935 K937 LC601 LC602 LC603 ALF901 ALF902 ARY951	QQR0582-001Z QQR0582-001Z QQR0582-001Z QQR0582-001Z QQR1199-001 QQR1199-001 QQR1199-001 QQR1159-001 QQR0527-004 QSK0085-001	FERRITE BEADS FERRITE BEADS FERRITE BEADS FERRITE BEADS EMI FILTER EMI FILTER EMI FILTER LINE FILTER LINE FILTER RELAY		D3101 D3105 D3106 D3301 D3302 D3303 D3304 D3305 D3306 D3311	1SS133-T2 RH1S-T3 RH1S-T3 1SS133-T2 1SS133-T2 1SS133-T2 1SS82-T2 1SS82-T2 1SS82-T2 1SS82-T2 MTZJ3.6B-T2	DIODE SI DIODE SI DIODE DIODE DIODE DIODE SI DIODE SI DIODE SI DIODE SI DIODE Z DIODE Z DIODE	
SF101 ⚠TH901 ⚠TU001 ⚠VA901 X701	QAX0723-001 QAD0132-3R0 QAU0274-001 ERZV10V621CS QAX0717-001Z	SAW FILTER P THERMISTOR TUNER ZNR CRYSTAL	3Ω 8.000MHz	D3311 D3312 D3313 D3314 D3331 D3351 D3352	MTZJ3.66-12 1SS133-T2 MTZJ4.3A-T2 1SS133-T2 1SS133-T2 1SS133-T2 1SS133-T2	Z DIODE DIODE Z DIODE DIODE DIODE DIODE DIODE DIODE DIODE	
D45 5:	N DOADD 40	20IV (00 L 0504 5	Mo)	D3353 D3354	1SS133-T2 1SS133-T2	DIODE DIODE	
⚠Ref No.	N. BOARD AS Part No.	SS'Y (SGJ-2501A Part Name	-M2) Description Local	D3361 C3101 C3109	RM2C-LFA1 QETN1HM-106Z QETN1CM-107Z	SI DIODE E CAPACITOR E CAPACITOR	10uF 50V M 100uF 16V M
Q2751	2SD601A/QR/-X	TRANSISTOR		C3110 C3111	NDC31HJ-221X NDC31HJ-221X	C CAPACITOR C CAPACITOR	220pF 50V J 220pF 50V J

ÆRef No.	Part No.	Part Name	Description Local
C3113 C3114 C3115 C3117 C3118 C3119 C3120 C3121 C3122 C3125 C3151 C3152 C3301 C3302 C3302 C3303 C3321 C3322 C3323 C3351 C3361 C3363	QETN2CM-106Z QCB32HK-472Z QCB32HK-472Z QETN2CM-106Z QETN0JM-107Z QETN1AM-337Z QCS32HJ-151Z NDC31HJ-5R0X NRSA63J-0R0X NCB21EK-104X NDC31HJ-561X NDC31HJ-561X NDC31HJ-561X NDC31HJ-561X QETN2EM-105Z QETN2EM-105Z QETN1CM-477Z QETN1CM-477Z QETN1CM-477Z QETN1CM-337Z QCZ0324-102	E CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR MG RESISTOR C CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR	10uF 160V M 4700pF 500V K 4700pF 500V K 10uF 160V M 100uF 6.3V M 100uF 10V M 330uF 10V M 150pF 500V J 5pF 50V J 0Ω 1/16W J 0.1uF 25V K 0.1uF 25V K 560pF 50V J 390pF 50V J 10F 250V M 11F 250V M 470uF 16V M 330uF 16V M 11F 250V M
R3108 R3111 R3114 R3115 R3116 R3117 R3119 ⚠R3122 R3123 R3124 R3125 R3128 R3129 R3130 R3131 R3132 R3134 R3135 R3145 R3145 R3145 R3146 R3151 R3152 R3153 R3154 R3307 R3308 R3301 R3311 R3317 R3318 R3325 R3336 R3337 R3338 R3351	NRSA63J-0R0X NRSA63J-332X QRJ146J-100X NRSA63J-470X NRSA63J-470X NRSA63J-102X NRSA63J-121X QRZ9021-561 NRSA63J-122X NRSA63J-122X NRSA63J-563X NRSA63J-563X NRSA63J-563X NRSA63J-563X NRSA63J-121X QRL029J-391 NRSA63J-121X QRL029J-391 NRSA63J-121X QRL029J-391 NRSA63J-121X NRSA63J-681X NRSA63J-681X NRSA63J-568X NRSA63J-568X NRSA63J-568X NRSA63J-151X NRSA63J-151X NRSA63J-151X NRSA63J-151X NRSA63J-151X NRSA63J-151X NRSA63J-151X NRSA63J-151X NRSA63J-151X NRSA63J-151X NRSA63J-151X NRSA63J-151X NRSA63J-151X NRSA63J-151X NRSA63J-151X NRSA63J-121X NRSA63J-121X NRSA63J-151X NRSA63J-121X NRSA63J-121X NRSA63J-121X NRSA63J-121X NRSA63J-121X NRSA63J-121X NRSA63J-121X NRSA63J-121X NRSA63J-121X NRSA63J-121X NRSA63J-121X NRSA63J-121X NRSA63J-121X NRSA63J-121X NRSA63J-121X NRSA63J-121X NRSA63J-121X NRSA63J-121X NRSA63J-121X NRSA63J-102X NRSA63J-0ROX NRSA63J-0ROX NRSA63J-0ROX NRSA63J-102X NRSA63J-1	MG RESISTOR OMF RESISTOR MG RESISTOR	0Ω 1/16W J 3.3kΩ 1/16W J 10Ω 1/4W J 47Ω 1/16W J 47Ω 1/16W J 1kΩ 1/16W J 1kΩ 1/16W J 120Ω 1/16W J 560Ω 1W J 1.2kΩ 1/16W J 56kΩ 1/16W J 56kΩ 1/16W J 56kΩ 1/16W J 56kΩ 1/16W J 120Ω 1/16W J 120kΩ 1/16W J 680Ω 1/16W J 680Ω 1/16W J 680Ω 1/16W J 680Ω 1/16W J 68kΩ 1/16W J 150Ω 1/16W J 16Ω 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
R3363	QRC121K-474Z	COMP RESISTOR	470kΩ 1/2W K
L3301 L3302 L3303 L3304 L3305 L3306	QQL244K-180Z QQL244K-180Z QQL244K-180Z QQL244K-470Z QQL244K-470Z QQL244K-470Z	COIL COIL COIL COIL COIL COIL	18uH K 18uH K 18uH K 47uH K 47uH K 47uH K
CN3004 CN3005 CN300V CN30E2 CN30E4 HS3010 HS3011 HS3012 HS3013 HS3014 K3102 K3103 K3104 K3105 △SK3001	QJB003-074022 WJA0029-002A QGA2501C5-03Z QUB130-46A6AS QUB130-46A6AS CEHP00N-001QS CEHP00N-001QS CEHP00N-001QS CEHP00N-001QS CEHP00N-001QS CE41492-001Z CE41492-001Z CE41492-001Z CE41492-001Z CE41492-001Z CE41492-001Z CE41692-001Z	SIN ID C-B WIRE E-S ID WIRE CONNECTOR SIN TWIST WIRE SIN TWIST WIRE HEAT SINK HEAT SINK HEAT SINK HEAT SINK HEAT SINK CHOKE COIL	W-B (1-3)

AV SELECTOR P.W. BOARD ASS'Y (SGJ-5502A-M2)

REFER TO PARTS LIST IN PAGE 3-10 FOR THIS P.W. BOARD.

FRONT CONTROL P.W. BOARD ASS'Y (SGJ-6503A-M2)

⚠Ref No.	Part No.	Part Name	Description Loca
C6401	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C6402	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C6403	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
R6401	NRSA63J-750X	MG RESISTOR	$75\Omega\ 1/16W\ J$ $220k\Omega\ 1/16W\ J$ $220k\Omega\ 1/16W\ J$ $1k\Omega\ 1/16W\ J$ $1k\Omega\ 1/16W\ J$ $1.5k\Omega\ 1/16W\ J$ $2.7k\Omega\ 1/16W\ J$ $5.6k\Omega\ 1/16W\ J$
R6402	NRSA63J-224X	MG RESISTOR	
R6403	NRSA63J-224X	MG RESISTOR	
R6702	NRSA63J-102X	MG RESISTOR	
R6703	NRSA63J-102X	MG RESISTOR	
R6704	NRSA63J-152X	MG RESISTOR	
R6705	NRSA63J-272X	MG RESISTOR	
R6706	NRSA63J-562X	MG RESISTOR	
CN6006 CN6007 CN600B J6401 J6402 J6403 LC6401 S6702 S6703 S6704 S6705 S6706	QJB003-054010 QJB003-064426 QJB003-050806 QNN0281-003 QNN0281-002 QNN0282-001 QQR1199-001 QSW0619-003Z QSW0619-003Z QSW0619-003Z QSW0619-003Z QSW0619-003Z	SIN ID C-B WIRE SIN ID C-B WIRE SIN ID C-B WIRE PIN JACK PIN JACK PIN JACK EMI FILTER TACT SWITCH TACT SWITCH TACT SWITCH TACT SWITCH TACT SWITCH TACT SWITCH	V IN L IN R IN MENU CH- CH+ VOL- VOL+

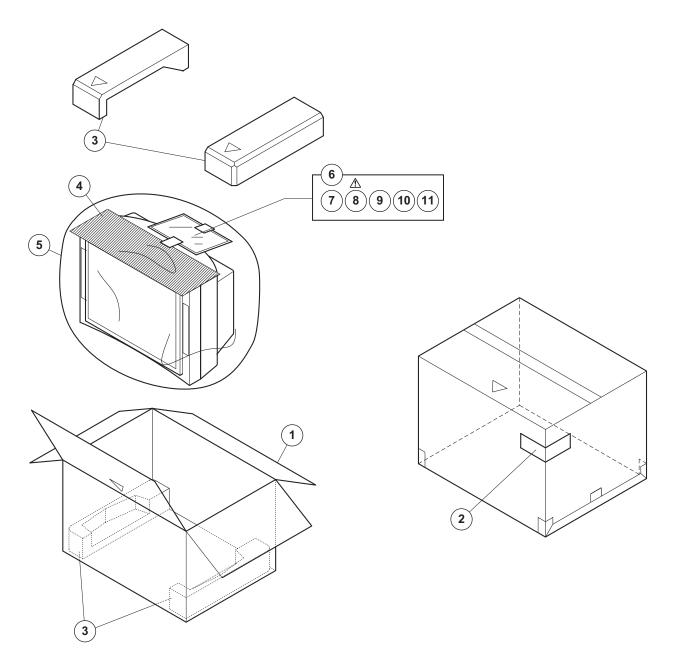
LED & POWER SW P.W. BOARD ASS'Y (SGJ-7502A-M2)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

REMOTE CONTROL UNIT PARTS LIST (RM-C1252G-1H)

⚠ Ref.No.	Part No.	Part Name	Description	Local
	UR77EC0603B	BATTERY COVER		

PACKING



PACKING PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
	1	LC10181-032A-A	PACKING CASE		AV-27FA44/SA,AV-27FA44/ZA
	1	LC10181-033A-A LC10181-034A-A	PACKING CASE PACKING CASE		AV-32FA44/YA,AV-32FA44/AZA AV-36FA44/YA
	3	CM36616-001-A LC11575-002B-A	CORNER LABEL CUSHION ASSY	4pcs in 1set	AV-27FA44/SA,AV-27FA44/ZA
	3	LC11560-002B-A LC11576-002B-A	CUSHION ASSY CUSHION ASSY	4pcs in 1set 4pcs in 1set	AV-32FA44/YA,AV-32FA44/AZA AV-36FA44/YA
	5	CP30055-A02-A CP30056-A04-A	TOP COVER POLY BAG	05 05	
	6 7	QPA02503505 RM-C1251G-1H	POLY BAG REMOCON UNIT	25cm x 35cm	
Δ	8 9	LCT1339-001A-A BT-51028-2Q	INST BOOK REGISTRATION C		
	10 11	BT-52006-2Q 	WARRANTY CARD DRY BATTERY	R6P/AA(x2)	